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FERTILIZER REPORT 1929

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Director—Chief Chemist

BUREAU OF FOODS AND CHEMISTRY



C. G. JORDAN, *Secretary of Agriculture*

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LETTER OF TRANSMITTAL

PENNSYLVANIA DEPARTMENT OF AGRICULTURE
BUREAU OF FOODS AND CHEMISTRY

Harrisburg, May 29, 1930.

Hon. C. G. Jordan,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir:

I have the honor to transmit herewith for your approval a report showing the tabulated results of chemical analyses made by this Bureau, in accordance with the requirements of the Fertilizer Law, of the official samples of Commercial Fertilizers obtained by the Special Agents during the Spring and Fall shipping seasons of 1929.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,

JAMES W. KELLOGG

Director—Chief Chemist



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FERTILIZER REPORT

1929

INTRODUCTION

The Fertilizer Law, Act of May 1, 1909, as amended, which regulates the sale of Commercial Fertilizers, requires registration for each calendar year and before being offered for sale; all sacks or attached cards to be printed with net weights, brand or trade names, names of Manufacturers or Importers and guarantees for the minimum percentages of nitrogen, ammonia, total and available phosphoric acid and water soluble potash which they may contain. Commercial Fertilizers are defined as including any and every substance sold for fertilizing or manuring purposes except marl, lime, wood ashes and the dung of domestic animals. Standards are fixed for mixed Fertilizers which require that they shall contain not less than 14 units or 14 per cent. of total plant food: nitrogen equivalent to ammonia, available phosphoric acid and water soluble potash, that all Fertilizers shall contain not less than 1 per cent. of nitrogen as ammonia, 1 per cent. of phosphoric acid and 1 per cent. of water soluble potash. Any Fertilizer having the word "tobacco" as a part of the brand name is prohibited from containing potash as chloride of potash.

A license fee of from \$15 to \$50 is required to be paid for every kind or brand of Fertilizer registered, the rate being \$15 for each new brand, and in the case of brands sold during any preceding year and re-registered the fees are based on the tonnage amounts sold as follows: Sales up to 150 tons, \$15; 150 to 250 tons, \$20; 250 to 400 tons, \$30; 400 to 500 tons, \$40, and over 500 tons, \$50 for each brand.

The number of tons of Fertilizer sold annually is required to be reported and included with applications for registration, regardless of whether or not any brands sold during a preceding year are re-registered or discontinued, in order that the amount of tonnage sales may be properly recorded and that the amount of fees may be estimated for the brands to be registered. Provision is made for enforcement by authorizing the inspection of methods of sales, the collection and analyses of official samples, the publication of results of analyses for the information of the public and for holding selling agents responsible for failure to meet the requirements with respect to registration, labeling and guaranteeing.

During the Spring and Fall shipping seasons of 1929 Special Agents of the Bureau collected from selling agents throughout the Commonwealth 2,583 official samples, which were submitted for examination, together with reports covering each shipment or lot sampled, showing labeling and sales conditions and the information printed upon sacks or attached cards. Of this number 2,359, representing registered brands, were analyzed for the forms and amounts of plant food which

they were guaranteed to contain. There were 731 different brands registered by 74 Manufacturing and Importing firms, the number of brands, samples and classes represented being as follows:

	<i>Brands</i>	<i>Samples</i>
Complete Fertilizers	480	1620
Ground Bone Fertilizers	37	73
Superphosphate Fertilizers	76	335
Lime Phosphate Fertilizers	12	34
Rock and Potash Fertilizers	57	167
Miscellaneous Fertilizers	69	130
Totals	731	2359

Brands Registered and Tonnage Sales

Fertilizer registrations were received and approved from 126 Manufacturing and Importing firms covering 1,230 different brands and kinds of Fertilizers for which 234 licenses were issued, authorizing sales during 1929. They included 855 brands of Mixed Fertilizers containing 14 per cent. or more total units of plant food and 375 brands of so-called base goods, supplying one or more forms of plant food.

The amount of Fertilizers sold during the preceeding year, 1928, as shown by reports accompanying 1929 registrations, totalled 339,984 tons, being in excess of the 326,514 tons reported for 1927 sales. The amounts of the several classes of materials reported as being sold during 1928 were as follows: Complete Fertilizers 231,867 tons, Nitrogen and Phosphoric Acid Fertilizers, 41 tons, Phosphoric Acid and Potash Fertilizers 19,292 tons, Superphosphate Fertilizers 75,802 tons, Ground Bone Fertilizers 3,386 tons, Tankage 2,111 tons, Nitrate of Soda, 3,578 tons, Potash Salts 1,883 tons, Sulphate of Ammonia 833 tons, Dried Blood 11 tons and Miscellaneous Materials 1,180 tons. The amount of plant food supplied by these Fertilizers estimated on the basis of guarantees shown in registrations was 6,507 tons of nitrogen as ammonia, 36,726 tons of available and total phosphoric acid and 14,565 tons of water soluble potash, making a total of 57,798 tons of the three forms of plant food disposed of during 1928.

Conclusions

Of the total number of official samples analyzed 235, or 10.0 per cent., were found upon analysis to be deficient in one or more forms of plant food to the extent of .2 per cent. or more and in the case of guarantees of .50 per cent. or less to the extent of .1 per cent. or more compared with guarantees. A comparison with the estimated deficiency of 11.5 per cent., reported for 1928, shows that there was an improvement in the correctness of guarantees for plant food in the Fertilizers sold during 1929 and a decided improvement compared with the 18.9 per cent. deficiencies reported for the 1927 inspection. The proportion of deficiencies in each of the separate classes of Fertilizers were as follows: Complete Fertilizers 11.1 per cent., Ground Bone Fertilizers 15.1 per cent., Superphosphate Fertilizers .9 per cent., Lime Phosphate Fertilizers 5.9 per cent., Rock and Potash Fertilizers 16.2 per cent. and Miscellaneous Fertilizers 9.2 per cent. The deficiencies estimated for each form of plant food taken separately and as

supplied by the several classes of materials show that 65, or 3.7 per cent., of the samples guaranteed for nitrogen were deficient, 7, or 8.4 per cent., were deficient in total phosphoric acid, 21, or 1.0 per cent., were deficient in available phosphoric acid and 157, or 8.6 per cent., were deficient in water soluble potash. A comparison of these deficiencies with the similar variations estimated for the 1928 inspection show decreases in the proportion of failures to meet the guarantees in the case of total and available phosphoric acid as well as in the proportion of Complete Fertilizers which failed to come up to the claims made for guaranteed amounts of plant food.

In the case of brands of Fertilizers registered there was practically no difference in the number of brands included, 1230 being registered for 1929 sales, 2 less than for the preceding year. The tonnage sales reports accompanying registrations showed an increase in that there were 339,984 tons of all classes of Fertilizers sold during 1928 compared with 326,514 tons for 1927 and 328,904 tons for 1926. An estimate of the amount of plant food, based on guarantees, for the Fertilizers disposed of shows that approximately 57,798 tons of nitrogen as ammonia, total and available phosphoric acid and water soluble potash were sold during 1928, being less than the estimate of 80,801 tons for 1927, compared with 55,402 tons of total plant food estimated for 1926 sales.

The results of microscopical examinations of those brands of Fertilizers which might possibly have carried prohibited materials or revealed misbranding failed to show unlawful sales. There were, however, a number of non-registered brands found being disposed of, which made it necessary to hold selling agents responsible for non-compliance with the registration provisions of the law.

Retail Selling Values. The average retail selling values per ton for the several classes of Fertilizers were as follows: Complete Fertilizers \$33.36; Ground Bone Fertilizers \$52.47; Superphosphate Fertilizers \$20.64; Lime Phosphate Fertilizers \$20.10 and Rock and Potash Fertilizers \$26.20. These average retail selling values cannot be considered as an accurate index of the prevailing prices, especially in those cases where only a small number of samples were involved, however, as the number of samples of Mixed Fertilizers were more than half of the total received a comparison of the average retail selling value of \$33.36 a ton with that of \$34.08 a ton, estimated for 1928 Complete Fertilizers, shows an average reduction in these values. The average values for the remaining classes were also slightly less than reported for the preceding year's inspection, as will be noted in Table II. On the basis of these retail values approximate average unit values for the three forms of plant food supplied by the several classes of materials were estimated as follows: Nitrogen \$4.25, available phosphoric acid \$1.12, water soluble potash \$2.13. There was very little difference except in a lowering of the unit value for nitrogen compared with the 1928 values, which were as follows: Nitrogen \$4.79, available phosphoric acid \$1.19 and water soluble potash \$2.11.

Complete Fertilizers. This class of Fertilizers supplying nitrogen as ammonia, available phosphoric acid and water soluble potash in amounts in excess of 14 total units or per cent. included more than

one-half of the total samples and brands submitted for examination, numbering 1,620 samples and 480 brands, registered by 68 companies. They were all guaranteed to contain the required amounts of plant food and of this number 180, or 11.1 per cent., failed to meet their guarantees in one or more forms of plant food, 55, or 3.4 per cent., being deficient in nitrogen, 14, or .9 per cent., being deficient in available phosphoric acid and 126, or 7.8 per cent., deficient in water soluble potash. They had an average composition of 2.18 per cent. nitrogen, 10.57 per cent. available phosphoric acid, .62 per cent. insoluble phosphoric acid and 5.75 per cent. water soluble potash. The average retail selling value was estimated as \$33.36 a ton. Of the total number of samples nearly all of them, or 1,562, supplied potash in the muriate form, 23 as sulphate of potash and 35 as both muriate and sulphate of potash. The number of Fertilizers having the word "tobacco" as a part of the brand name included 8 samples in which the potash was supplied in the form of sulphate of potash. There were 94 different formula grades included, varying from 1-8-5 to 12-14-6, supplying from 1 to 12 per cent. of nitrogen as ammonia, from 6 to 27 per cent. of available phosphoric acid and from 1 to 20 per cent. of water soluble potash. There were 21 of these formula grades of Complete Fertilizers represented by 10 or more samples and judging from the larger proportion of brands of these grades found being offered for sale a comparison of the grades with the average selling values will be of interest, the number of samples, formula grade and average retail selling price being as follows: 209 of 1-9-4, \$26.77; 262 of 2-8-5, \$29.24; 196 of 2-8-10, \$33.58; 87 of 2-9-3, \$28.91; 20 of 2-10-6, \$31.12; 82 of 2-12-2, \$29.29; 110 of 2-12-4, \$31.51; 10 of 2-12-5, \$30.70; 26 of 2-12-6, \$32.88; 35 of 2-16-8, \$39.82; 40 of 3-10-6, \$37.14; 21 of 3-12-5, \$33.71; 19 of 4-8-4, \$37.55; 29 of 4-8-6, \$36.53; 107 of 4-8-7, \$38.28; 41 of 4-12-4, \$43.28; 45 of 4-16-4, \$43.40; 21 of 4-16-10, \$50.04; 26 of 5-8-5, \$41.84; 12 of 5-8-7, \$43.56; and 13 of 5-10-5, \$38.96.

Ground Bone Fertilizers. The Ground Bone class of Fertilizers supplying nitrogen and total phosphoric acid included 73 samples and 37 brands registered by 28 companies. They were found upon analysis to have an average composition of 3.29 per cent. nitrogen, 24.07 per cent. total phosphoric acid and selling at an average of \$52.47. Eleven, or 15.1 per cent., of the samples failed to meet their guarantees, 5, or 6.9 per cent., of the samples being deficient in nitrogen and 6, or 8.2 per cent., were deficient in total phosphoric acid.

Superphosphate Fertilizers. There were 369 samples of this class of materials supplying phosphoric acid in an available form, registered by 56 companies, and of this number 335 samples and 76 brands represented Superphosphate Fertilizers, formerly classified as Acid Phosphates, and 34 samples and 12 brands included the so-called Lime Phosphate Fertilizers, prepared for special purposes by addition of lime products to Superphosphates. The Superphosphate Fertilizers of the first group averaged 19.06 per cent. total phosphoric acid, 18.44 per cent. available phosphoric acid and .62 per cent. insoluble phosphoric acid, retailing at an average of \$20.64 a ton. There were 3, or .9 per cent., deficient in available phosphoric acid. The Lime Phosphate Fertilizers averaged 15.69 per cent. total phosphoric acid,

14.33 per cent. available phosphoric acid, 1.36 per cent. insoluble phosphoric acid and retailed at an average of \$20.10 a ton. There were 2, or 5.9 per cent., of the samples deficient in available phosphoric acid.

Rock and Potash Fertilizers. There were 167 samples of this class of Fertilizers supplying available phosphoric acid and water soluble potash, representing 57 brands, registered by 41 companies, which were found upon analysis to have an average composition of 12.44 per cent. available phosphoric acid and 5.77 per cent. water soluble potash, and retailing at an average of \$26.20 a ton. They were all guaranteed to contain 14 per cent. or more total units of plant food, as is required in the case of Mixed Fertilizers, and of the total number of samples 27, or 16.2 per cent., failed to correspond with guarantees claimed, 2, or 1.2 per cent., being deficient in available phosphoric acid and 25, or 15 per cent., being deficient in water soluble potash. Of the 167 samples of this class all contained potash as muriate of potash except 3, which contained both sulphate and muriate of potash.

Miscellaneous Fertilizers. The official samples classified as miscellaneous materials numbered 130 and included 69 brands, registered by 30 companies. The following number of samples with their average compositions and retail selling values were as follows: 56 of Nitrate of Soda, averaging 15.66 per cent. nitrogen and \$63.79 a ton; 19 of Sulphate of Ammonia, averaging 20.87 per cent. nitrogen and \$65.98 a ton; one of Dried Blood, containing 11.89 per cent. nitrogen and reported as retailing at \$102.50 a ton; 10 of Tankage, averaging 6.45 per cent. nitrogen, 11.06 per cent. total phosphoric acid and retailing at \$52.25 a ton; 2 of Kainit, averaging 14.93 per cent. potash and \$22.25 a ton; one of Manure Salt, containing 23.82 per cent. potash and retailing at \$24.00 a ton; 38 of Muriate of Potash, averaging 50.74 per cent. potash and \$52.06 a ton; one of Sulphate of Potash, supplying 50.88 per cent. potash and retailing at \$62.85 a ton, and 2 Miscellaneous Materials, supplying nitrogen and phosphoric acid. Of this class of Fertilizers 12, or 9.2 per cent., failed to meet their guarantees, 2 of these being Nitrate of Soda, one Dried Blood, 2 of Tankage, 6 Muriate of Potash and one Miscellaneous.

In the following pages will be found Acknowledgments; Table I, showing Number of Deficiencies in Each Class; Table II, Average Analyses and Retail Prices; Key to Tables, explaining the large Tables which follow, showing in detail results of chemical analyses of each official sample received from the agents, together with brand names, names of manufacturers and selling agents, guarantees for the several forms of plant food which they contain and retail selling prices; Table III, Complete Fertilizers; Table IV, Ground Bone Fertilizers, Table V, Superphosphate Fertilizers; Table VI, Rock and Potash Fertilizers, and Table VII, Miscellaneous Fertilizers.

Acknowledgments

Mr. V. B. Hausknecht, First Assistant Chemist, in charge of the Chemical Laboratory, had immediate supervision of the reception and analyses of the official samples, the approval of applications for regis-

tration, the issuing of licenses and the preparation of the Tables included in this Report. The microscopical examinations were made by H. E. Gensler, Assistant Chemist and Micro-Analyst, and the following Assistant Chemists performed the chemical analyses: G. J. Kuhlman, Jr., F. B. Williams, Harold Y. Fisher, Joseph F. Bradley and Mooredeen Plough. The samples were prepared for analysis by Myrle W. Copeland, Laboratory Assistant.

Table I—DEFICIENCIES

Class of Fertilizers	Number of Samples	Deficient in Nitrogen	Deficient in Available Phosphoric Acid	Deficient in Potash
Complete Fertilizers -----	1,620	55	14	126
Ground Bone Fertilizers -----	73	5	6*	-----
Superphosphate Fertilizers -----	535	-----	3	-----
Lime Phosphate Fertilizers -----	34	-----	2	-----
Rock and Potash Fertilizers -----	167	-----	2	25
Miscellaneous Fertilizers -----	130	5	1*	6
Total -----	2,359	65	28	157

* Total Phosphoric Acid.

Table II—AVERAGE ANALYSES AND RETAIL PRICES

	Complete Fertilizers	Ground Bone Fertilizers	Superphosphate Fertilizers*	Rock and Potash Fertilizers
Total Nitrogen -----	2.18%	3.29%	-----	-----
Total Phosphoric Acid -----	11.19%	24.07%	19.06%	12.99%
Available Phosphoric Acid -----	10.57%	-----	18.44%	12.44%
Insoluble Phosphoric Acid -----	0.62%	-----	0.62%	0.55%
Potash -----	5.75%	-----	-----	5.77%
Selling Price -----	\$33.36	\$52.47	\$20.64	\$26.20
Average Selling Price 1928 -----	\$34.08	\$55.49	\$21.51	\$26.46

* Excluding Lime Phosphates.

KEY TO TABLES

The following tables include the detailed results of chemical analyses of each sample. All samples were given a chemist's number as shown in the extreme left and right hand columns and are grouped in alphabetical order of manufacturers and brand names. Each class is shown in separate tables and the following information will serve as a key to these tables:

The asterisk (*) indicates the cases where total nitrogen, available phosphoric acid and total potash are deficient to the extent of .2 per cent. or more below their respective guarantees. In cases where the guarantees are .5 per cent. or less the deficiencies noted are where the amount is .1 per cent. or more below the guarantees.

Order of results of analysis: Total Nitrogen found and Guaranteed; Total Phosphoric Acid found and guaranteed; Available Phosphoric Acid found and guaranteed; Insoluble Phosphoric Acid found and guaranteed; Total Potash found and guaranteed and Potash as Muriate and as Sulphate.

To determine the formula of any brand, as guaranteed, multiply Total Nitrogen guaranteed by 1.2158 to obtain Ammonia and then use this figure and the guarantees for Available Phosphoric Acid and Total Potash. For example, Nitrogen guarantee equals .82% ($.82 \times 1.2158 = 1\%$.) Ammonia equals 1%; Available Phosphoric Acid, 8%, Potash, 5%. Formula therefore is 1-8-5.

Table III. Complete Fertilizers, furnishing Nitrogen, Available Phosphoric Acid and Potash.

Table IV. Ground Bone Fertilizers, furnishing Nitrogen and Total Phosphoric Acid.

Table V. Superphosphate Fertilizers, furnishing Available Phosphoric Acid.

Table VI. Rock and Potash Fertilizer, furnishing Available Phosphoric Acid and Potash.

Table VII. Miscellaneous Fertilizers, including Nitrate of Soda, Sulphate of Ammonia, Dried Blood, Tankage, Kainit, Manure Salt, Muriate of Potash, Sulphate of Potash and 2 unclassified fertilizers.

TABLE III—COMPLETE
Furnishing Nitrogen, Phosphoric

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
8919	AA Acme Fertilizer	-----	Edward Bear, Connellsville
9186	AA Acme Fertilizer	-----	H. C. Beerits Sons, Somerset
10149	AA Acme Fertilizer	-----	E. O. Bowman, Smithfield
9301	AA Acme Fertilizer	-----	David S. Ensminger, Palmyra
8162	AA Acme Fertilizer	-----	J. P. Faupel, Manns Choice
9357	AA Acme Fertilizer	-----	J. P. Faupel, Manns Choice
9901	AA Acme Fertilizer	-----	Fryberg Roller Mills, Fryberg
10059	AA Acme Fertilizer	-----	Graham Brothers, Darlington
8025	AA Acme Fertilizer	-----	Jefferson Flour & Feed Co., Punxsutawney
9278	AA Acme Fertilizer	-----	Joseph Miluszusky, Forest City
9505	AA Acme Fertilizer	-----	W. S. Opp, Opp
9670	AA Acme Fertilizer	-----	John H. Roth, W. Hamburg
9294	AA Acme Fertilizer	-----	H. A. Snyder, Strawberry Ridge
7686	AA Acme Fertilizer	-----	C. G. Yost, McEwensville
10148	AA Champion Fertilizer	-----	E. O. Bowman, Smithfield
9899	AA Champion Fertilizer	-----	Fryberg Roller Mills, Fryberg
8636	AA Champion Fertilizer	-----	H. F. Gelbach, Evans City
9930	AA Champion Fertilizer	-----	John A. Hamilton, Imperial
9450	AA Champion Fertilizer	-----	J. J. Kennedy Sons, Zelenople
9161	AA Champion Fertilizer	-----	J. S. Moore & Son, Oakdale
8430	AA Champion Fertilizer	-----	Pollocks Flour & Feed, Ford City
8844	AA Champion Fertilizer	-----	Robinson's Mills, Montrose
9241	AA Champion Fertilizer	-----	H. B. Rosenberger, Doylestown
9529	AA Climax Fertilizer	-----	Dan. Brought, Lewistown
8624	AA Climax Fertilizer	-----	Farmers Supply Co., New Castle
10064	AA Climax Fertilizer	-----	Farmers Supply Co., New Castle
9637	AA Climax Fertilizer	-----	H. F. Gelbach, Evans City
8506	AA Climax Fertilizer	-----	B. L. Shipman, Muncy
8336	AA Double Strength Fertilizer	-----	Bradford & Co., Center Hall
9788	AA Double Strength Fertilizer	-----	J. L. Fisher, Goldsboro
9336	AA Double Strength Fertilizer	-----	J. R. Iddings, Mifflinburg
9065	AA Double Strength Fertilizer	-----	D. A. Leighty, Newry
8660	AA Double Strength Fertilizer	-----	Minner-Lamb, New Wilmington
9013	AA Early Trucker Fertilizer	-----	John London, Troutville
9117	AA Farmers Friend Fertilizer	-----	Banner Flour Mills, Fairchance
10150	AA Farmers Friend Fertilizer	-----	Banner Flour Mills, Fairchance
9287	AA Farmers Friend Fertilizer	-----	Danville State Hospital, Danville
9394	AA Farmers Friend Fertilizer	-----	Torrence DeLong, Loganton
9236	AA Farmers Friend Fertilizer	-----	Geo. Freyeremuth, Fredonia
10113	AA Farmers Friend Fertilizer	-----	Russell James, Warwick
10029	AA Farmers Friend Fertilizer	-----	Lemasters Elevator Co., Lemasters
9179	AA Farmers Friend Fertilizer	-----	G. H. Miller, Sidman
9160	AA Farmers Friend Fertilizer	-----	J. D. Moore & Son, Oakdale
9927	AA Farmers Friend Fertilizer	-----	J. D. Moore & Son, Oakdale
8837	AA Farmers Friend Fertilizer	-----	S. E. Rumpf, New Milford
7690	AA Farmers Friend Fertilizer	-----	C. G. Yost, McEwensville
9188	AA Fish Brand	-----	H. C. Beerits Sons, Somerset
8161	AA Fish Brand	-----	J. P. Faupel, Manns Choice
10031	AA Fish Brand	-----	Lemasters Elevator Co., Lemasters
9247	AA Fish Brand	-----	W. H. Lenhard, Phoenixville
8612	AA Gladiator Fertilizer	-----	V. W. Baker, Milroy
9185	AA Gladiator Fertilizer	-----	H. C. Beerits Sons, Somerset
7777	AA Gladiator Fertilizer	-----	Farmers Supply Co., Everett
9244	AA Gladiator Fertilizer	-----	Grander & Tyler, Schwenksville
8431	AA Gladiator Fertilizer	-----	Pollock Flour & Feed, Ford City
8080	AA Gladiator Fertilizer	-----	B. T. Sutliff, Hunlocks Creek
8697	AA Homestead Fertilizer	-----	W. A. Bright, Greenville
10074	AA Homestead Fertilizer	-----	W. A. Bright, Greenville
9507	AA Kangaroo Komplete Kompond	-----	C. B. Bower, Montgomery

FERTILIZERS.

Acid and Potash

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.98	0.82	10.64	9.50	10.10	9.00	0.54	0.50	4.13	4.00	4.13	-----	26.30	8919
0.88	0.82	10.61	9.50	9.97	9.00	0.64	0.50	3.81	4.00	3.81	-----	25.00	9186
0.90	0.82	10.15	9.50	9.41	9.00	0.74	0.50	4.01	4.00	4.01	-----	26.20	10149
0.93	0.82	10.57	9.50	10.17	9.00	0.40	0.50	4.17	4.00	4.17	-----	23.25	9301
0.85	0.82	10.06	9.50	9.76	9.00	0.30	0.50	4.46	4.00	4.46	-----	-----	8162
0.87	0.82	10.03	9.50	9.73	9.00	0.30	0.50	4.01	4.00	4.01	-----	-----	9357
1.18	0.82	9.71	9.50	8.85	9.00	0.86	0.50	4.06	4.00	4.06	-----	23.15	9901
0.93	0.82	10.05	9.50	8.91	9.00	1.14	0.50	4.19	4.00	4.19	-----	28.00	10059
0.86	0.82	9.87	9.50	9.51	9.00	0.36	0.50	4.01	4.00	4.01	-----	26.30	8025
0.91	0.82	10.08	9.50	9.38	9.00	0.70	0.50	4.02	4.00	4.02	-----	28.00	9278
0.98	0.82	10.42	9.50	9.90	9.00	0.52	0.50	4.04	4.00	4.04	-----	-----	9505
1.01	0.82	10.63	9.50	10.19	9.00	0.44	0.50	3.84	4.00	3.84	-----	-----	9670
0.88	0.82	10.43	9.50	9.95	9.00	0.48	0.50	4.02	4.00	4.02	-----	25.50	9294
0.93	0.82	10.14	9.50	9.34	9.00	0.80	0.50	3.93	4.00	3.93	-----	26.35	7686
1.87	1.65	9.02	8.50	8.56	8.00	0.46	0.50	5.38	5.00	5.38	-----	29.55	10148
1.83	1.65	9.18	8.50	8.06	8.00	1.12	0.50	5.43	5.00	5.43	-----	31.30	9899
1.78	1.65	9.10	8.50	8.46	8.00	0.64	0.50	5.30	5.00	5.30	-----	34.00	8636
1.90	1.65	8.94	8.50	8.12	8.00	0.82	0.50	5.08	5.00	5.08	-----	-----	9930
1.70	1.65	9.43	8.50	8.65	8.00	0.78	0.50	5.00	5.00	5.00	-----	32.00	9450
1.71	1.65	9.46	8.50	9.18	8.00	0.28	0.50	4.95	5.00	4.95	-----	33.50	9161
1.74	1.65	9.06	8.50	8.66	8.00	0.40	0.50	5.23	5.00	5.23	-----	34.00	8430
1.73	1.65	9.71	8.50	9.31	8.00	0.40	0.50	5.15	5.00	5.15	-----	31.00	8844
1.83	1.65	9.46	8.50	8.72	8.00	0.74	0.50	5.07	5.00	5.07	-----	32.00	9241
2.85	2.47	12.22	10.50	11.70	10.00	0.52	0.50	6.29	6.00	6.29	-----	31.50	9529
2.71	2.47	11.12	10.50	10.70	10.00	0.42	0.50	6.30	6.00	6.30	-----	37.50	8624
2.68	2.47	11.26	10.50	10.72	10.00	0.54	0.50	6.71	6.00	6.71	-----	37.50	10064
2.87	2.47	11.05	10.50	10.45	10.00	0.60	0.50	6.53	6.00	6.53	-----	38.00	8637
2.65	2.47	11.95	10.50	11.47	10.00	0.48	0.50	6.14	6.00	6.14	-----	32.00	9506
2.10	1.65	16.40	16.50	15.92	16.00	0.48	0.50	*7.26	8.00	7.26	-----	-----	8336
1.89	1.65	16.98	16.50	16.52	16.00	0.46	0.50	7.86	8.00	7.86	-----	34.90	9788
1.81	1.65	18.52	16.50	17.92	16.00	0.60	0.50	8.22	8.00	8.22	-----	38.90	9336
1.94	1.65	17.62	16.50	16.82	16.00	0.80	0.50	8.50	8.00	8.50	-----	38.00	9065
1.90	1.65	17.95	16.50	16.91	16.00	1.04	0.50	8.45	8.00	8.45	-----	44.65	8699
4.00	4.11	9.61	8.50	9.21	8.00	0.40	0.50	4.91	5.00	4.91	-----	40.00	9013
1.86	1.65	13.89	12.50	13.15	12.00	0.74	0.50	4.12	4.00	4.12	-----	36.00	9117
1.91	1.65	13.90	12.50	12.62	12.00	1.28	0.50	4.59	4.00	4.59	-----	36.00	10150
1.86	1.65	14.59	12.50	13.57	12.00	1.02	0.50	4.16	4.00	4.16	-----	-----	9287
1.79	1.65	14.16	12.50	13.24	12.00	0.92	0.50	4.14	4.00	4.14	-----	32.00	9394
1.75	1.65	13.55	12.50	12.65	12.00	0.90	0.50	4.10	4.00	4.10	-----	33.00	9236
1.86	1.65	13.11	12.50	12.31	12.00	0.80	0.50	4.14	4.00	4.14	-----	32.00	10113
1.90	1.65	14.35	12.50	13.27	12.00	1.08	0.50	4.49	4.00	4.49	-----	29.50	10029
1.84	1.65	13.51	12.50	12.97	12.00	0.54	0.50	4.17	4.00	4.17	-----	38.00	9049
1.84	1.65	13.88	12.50	13.22	12.00	0.66	0.50	4.09	4.00	4.09	-----	35.00	9160
1.93	1.65	13.70	12.50	12.98	12.00	0.72	0.50	4.28	4.00	4.28	-----	31.95	9927
1.74	1.65	14.01	12.50	13.37	12.00	0.64	0.50	4.03	4.00	4.03	-----	32.00	8837
1.83	1.65	13.04	12.50	12.46	12.00	0.58	0.50	4.12	4.00	4.12	-----	30.15	7690
1.68	1.65	10.46	9.50	9.98	9.00	0.48	0.50	3.29	3.00	3.29	-----	28.00	9188
1.85	1.65	10.77	9.50	10.33	9.00	0.44	0.50	3.46	3.00	3.46	-----	-----	8161
1.72	1.65	10.32	9.50	9.70	9.00	0.62	0.50	3.29	3.00	3.29	-----	25.75	10031
1.89	1.65	10.46	9.50	9.56	9.00	0.90	0.50	3.09	3.00	3.09	-----	30.00	9247
3.42	3.29	9.41	8.50	8.93	8.00	0.48	0.50	7.53	7.00	7.53	-----	36.00	8612
3.40	3.29	9.57	8.50	8.97	8.00	0.60	0.50	7.40	7.00	7.40	-----	36.00	9185
3.37	3.29	8.78	8.50	8.28	8.00	0.50	0.50	7.27	7.00	7.27	-----	41.00	7777
3.31	3.29	9.11	8.50	8.33	8.00	0.78	0.50	7.13	7.00	7.13	-----	38.00	9244
3.41	3.29	9.90	8.50	9.40	8.00	0.50	0.50	7.00	7.00	7.00	-----	41.50	8431
3.26	3.29	9.20	8.50	8.76	8.00	0.44	0.50	7.10	7.00	7.10	-----	36.05	8080
1.79	1.65	14.01	12.50	13.27	12.00	0.74	0.50	2.10	2.00	2.10	-----	31.00	8697
1.99	1.65	13.06	12.50	12.24	12.00	0.82	0.50	3.04	2.00	3.04	-----	31.00	10074
1.79	1.65	11.19	9.50	10.49	9.00	0.10	0.50	2.95	3.00	2.95	-----	-----	9507

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9777	AA Kangaroo Komplete Kompound	Coburn Creamery, Coburn
10124	AA Kangaroo Komplete Kompound	Harvey Detweiler, Chester Springs
9883	AA Kangaroo Komplete Kompound	W. H. Forbes, Quarryville
8866	AA Kangaroo Komplete Kompound	John Greenleaf, Quarryville
7759	AA Kangaroo Komplete Kompound	Metzger Supply Co., Bedford
9202	AA Kangaroo Komplete Kompound	H. E. Newman, West Salisbury
9755	AA Kangaroo Komplete Kompound	H. E. Newman, West Salisbury
7689	AA Kangaroo Komplete Kompound	C. G. Yost, McEwensville
8871	AA Laneo Hi-Grade for Tobacco	John Greenleaf, Quarryville
8937	AA Old Hickory Fertilizer	Elwin Allen, Connley
9397	AA Old Hickory Fertilizer	Torrence DeLong, Loganton
9302	AA Old Hickory Fertilizer	David S. Ensminger, Palmyra
9898	AA Old Hickory Fertilizer	Fryberg Roller Mills, Fryberg
8867	AA Old Hickory Fertilizer	John Greenleaf, Quarryville
8024	AA Old Hickory Fertilizer	Jefferson Flour & Feed Co., Punxsutawney
9449	AA Old Hickory Fertilizer	J. J. Kennedy Sons, Zelenople
9669	AA Old Hickory Fertilizer	John H. Roth, W. Hamburg
9634	AA Old Hickory Fertilizer	Harold W. Serfoss, Bowmanstown
7664	AA Old Hickory Fertilizer	H. A. Snyder, Strawberry Ridge
8076	AA Old Hickory Fertilizer	B. T. Sutliff, Hunlocks Creek
8716	AA Old Hickory Fertilizer	Waite & Burnham, Tyrone
8696	AA Pathfinder Fertilizer	W. A. Bright, Greenville
10072	AA Pathfinder Fertilizer	W. A. Bright, Greenville
10128	AA Pathfinder Fertilizer	Farmers Exchange, Indiana
9187	AA Red Dog Fertilizer	H. C. Beerits Sons, Somerset
9395	AA Red Dog Fertilizer	Torrence DeLong, Loganton
9358	AA Red Dog Fertilizer	F. P. Faupel, Manns Choice
8387	AA Red Dog Fertilizer	Passmore Supply Co., Oxford
9693	AA Red Dog Fertilizer	Passmore Supply Co., Oxford
7701	AA Red Dog Fertilizer	J. H. Ross, W. Hamburg
9668	AA Red Dog Fertilizer	John H. Roth, W. Hamburg
9593	AA Red Dog Fertilizer	E. O. Seaman, Watsontown
9739	AA Red Dog Fertilizer	Waite & Burnham, Tyrone
7936	AA Red Dog Fertilizer	J. P. Walters, Viaksburg
8320	AA Red Dog Fertilizer	C. E. Wissler, Paxtonia
9307	AA Red Dog Fertilizer	C. E. Wissler, Paxtonia
8165	AA Red Dragon Fertilizer	W. R. Black, Orbisonia
9778	AA Red Dragon Fertilizer	Coburn Creamery, Coburn
10078	AA Red Dragon Fertilizer	Lemasters Elevator Co., Lemasters
9776	AA Red Letter Fertilizer	Coburn Creamery, Coburn
8226	AA Sweepstakes Fertilizer	W. B. Kirkendall, Nescopeck
9246	AA Sweepstakes Fertilizer	W. H. Lenhard, Phoenixville
8078	AA Top Dresser	B. T. Sutliff, Hunlocks Creek
7692	AA Top Dresser Fertilizer	Ed. Seaman, Watsontown
10060	AA Two-In-One Fertilizer	Graham Brothers, Darlington
9973	AA Two-In-One Fertilizer	Paul Neff, Alexandria
9111	AA Two-In-One Fertilizer	Russell Brothers, Washington
8942	AA Two-In-One Fertilizer	Wilson Farm Equipment Co., Troy
8922	Agrieo for Corn	Edward Baer, Connellsville
9158	Agrieo for Corn	J. D. Moore & Son, Oakdale
9926	Agrieo for Corn	J. D. Moore & Son, Oakdale
7746	Agrieo for Corn	J. T. Morris, Saxton
8385	Agrieo for Corn	Passmore Supply Co., Oxford
9126	Agrieo for Corn	Reitz Store Co., Ohl
7687	Agrieo for Corn	C. G. Yost, McEwensville
8794	Agrieo for Grain	F. A. Aekley & Sons, Westfield
9398	Agrieo for Grain	Torrence DeLong, Loganton
9304	Agrieo for Grain	David S. Ensminger, Palmyra
9356	Agrieo for Grain	T. P. Faupel, Manns Choice
9900	Agrieo for Grain	Fryberg Roller Mills, Fryberg
9447	Agrieo for Grain	H. F. Gelbach, Evans City
8450	Agrieo for Grain	L. A. Glessman, Conneautville
8284	Agrieo for Grain	J. Walter Hamer, West Deatur

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.94	1.65	10.35	9.50	9.79	9.00	0.56	0.50	3.14	3.00	3.14	-----	29.50	9777
1.85	1.65	10.68	9.50	9.78	9.00	0.90	0.50	3.16	3.00	3.16	-----	31.00	10124
1.87	1.65	10.27	9.50	9.65	9.00	0.62	0.50	3.16	3.00	3.16	-----	26.00	9883
1.75	1.65	10.28	9.50	9.88	9.00	0.40	0.50	3.19	3.00	3.19	-----	26.00	8866
1.86	1.65	10.14	9.50	9.62	9.00	0.52	0.50	3.04	3.00	3.04	-----	32.00	7759
1.68	1.65	10.04	9.50	9.48	9.00	0.56	0.50	3.18	3.00	3.18	-----	28.00	9202
1.86	1.65	10.55	9.50	9.83	9.00	0.72	0.50	3.09	3.00	3.09	-----	28.00	9755
1.82	1.65	10.03	9.50	9.53	9.00	0.50	0.50	3.10	3.00	3.10	-----	27.50	7689
3.34	3.29	6.12	5.50	6.00	5.00	0.12	0.50	6.21	6.00	-----	6.21	34.00	8871
1.65	1.65	9.66	8.50	9.32	8.00	0.34	0.50	10.08	10.00	10.08	-----	35.00	8937
1.69	1.65	9.61	8.50	9.11	8.00	0.50	0.50	9.84	10.00	9.84	-----	34.80	9397
1.65	1.65	9.78	8.50	8.56	8.00	1.22	0.50	10.31	10.00	10.31	-----	31.00	9302
1.88	1.65	8.80	8.50	8.04	8.00	0.76	0.50	10.23	10.00	10.23	-----	35.90	9898
1.78	1.65	9.83	8.50	9.23	8.00	0.60	0.50	10.36	10.00	10.36	-----	32.00	8867
1.66	1.65	8.97	8.50	8.59	8.00	0.38	0.50	10.18	10.00	10.18	-----	34.65	8024
1.65	1.65	9.49	8.50	9.05	8.00	0.44	0.50	10.15	10.00	10.15	-----	36.00	9449
1.95	1.65	11.54	8.50	10.24	8.00	1.30	0.50	9.95	10.00	9.95	-----	-----	9669
1.59	1.65	9.55	8.50	8.77	8.00	0.78	0.50	10.17	10.00	10.17	-----	-----	9634
1.70	1.65	9.08	8.50	8.38	8.00	0.70	0.50	10.47	10.00	10.47	-----	32.50	7664
1.59	1.65	9.46	8.50	8.90	8.00	0.56	0.50	10.03	10.00	10.03	-----	32.65	8076
1.71	1.65	9.66	8.50	9.12	8.00	0.54	0.50	10.41	10.00	10.41	-----	33.00	8716
3.54	3.29	13.90	12.50	13.32	12.00	0.58	0.50	3.93	4.00	3.93	-----	-----	8696
3.79	3.29	13.01	12.50	12.39	12.00	0.62	0.50	4.65	4.00	4.65	-----	40.00	10072
3.19	3.29	15.26	12.50	14.34	12.00	0.92	0.50	3.85	4.00	3.85	-----	42.00	10128
1.77	1.65	9.40	8.50	8.90	8.00	0.50	0.50	5.11	5.00	5.11	-----	28.50	9187
1.72	1.65	9.81	8.50	9.11	8.00	0.70	0.50	5.01	5.00	5.01	-----	29.50	9395
1.74	1.65	9.57	8.50	8.87	8.00	0.70	0.50	5.39	5.00	5.39	-----	-----	9358
1.71	1.65	9.93	8.50	9.27	8.00	0.66	0.50	4.93	5.00	4.93	-----	29.00	8387
1.94	1.65	9.63	8.50	9.15	8.00	0.48	0.50	5.22	5.00	5.22	-----	37.50	9693
1.85	1.65	9.08	8.50	8.40	8.00	0.68	0.50	5.10	5.00	5.10	-----	29.40	7701
1.82	1.65	9.82	8.50	9.20	8.00	0.62	0.50	5.07	5.00	5.07	-----	-----	9668
1.77	1.65	9.72	8.50	9.20	8.00	0.52	0.50	5.00	5.00	5.00	-----	28.95	9593
1.97	1.65	9.40	8.50	8.76	8.00	0.64	0.50	5.22	5.00	5.22	-----	30.00	9739
1.65	1.65	8.73	8.50	8.33	8.00	0.40	0.50	5.12	5.00	5.12	-----	30.00	7936
1.71	1.65	9.34	8.50	8.92	8.00	0.42	0.50	5.35	5.00	5.35	-----	-----	8320
1.80	1.65	9.66	8.50	9.20	8.00	0.46	0.50	5.40	5.00	5.40	-----	30.00	9307
1.53	1.65	12.99	12.50	12.19	12.00	0.80	0.50	2.47	2.00	2.47	-----	30.00	8168
1.99	1.65	13.73	12.50	13.01	12.00	0.72	0.50	2.24	2.00	2.24	-----	34.75	9778
1.77	1.65	14.32	12.50	12.76	12.00	1.56	0.50	2.36	2.00	2.36	-----	28.00	10028
3.56	3.29	13.20	12.50	12.66	12.00	0.54	0.50	6.60	6.00	6.60	-----	40.65	9776
1.71	1.65	11.76	10.50	11.12	10.00	0.64	0.50	5.84	6.00	5.84	-----	31.65	8226
1.75	1.65	11.48	10.50	10.68	10.00	0.80	0.50	6.21	6.00	6.21	-----	35.00	9246
6.40	6.58	7.91	6.50	7.43	6.00	0.48	0.50	5.89	6.00	5.89	-----	46.15	8078
*7.71	8.23	5.70	5.50	5.48	5.00	0.22	0.50	5.82	2.00	5.82	-----	-----	7692
3.19	3.29	15.08	16.50	*13.98	16.00	1.10	0.50	3.88	4.00	3.88	-----	44.00	10060
3.40	3.29	16.97	16.50	16.63	16.00	0.34	0.50	4.10	4.00	4.10	-----	-----	9973
3.50	3.29	17.95	16.50	16.97	16.00	0.98	0.50	4.17	4.00	4.17	-----	45.75	9111
3.38	3.29	17.11	16.50	16.57	16.00	0.54	0.50	4.34	4.00	4.34	-----	43.75	8942
2.72	2.47	11.43	10.50	10.97	10.00	0.46	0.50	6.33	6.00	6.33	-----	36.55	8922
2.60	2.47	11.66	10.50	11.20	10.00	0.46	0.50	*5.79	6.00	5.79	-----	44.00	9158
2.55	2.47	11.49	10.50	10.91	10.00	0.58	0.50	6.47	6.00	6.47	-----	32.95	9926
2.60	2.47	10.98	10.50	10.54	10.00	0.44	0.50	6.22	6.00	6.22	-----	37.50	7746
2.74	2.47	11.56	10.50	11.22	10.00	0.34	0.50	6.05	6.00	6.05	-----	38.00	8385
2.64	2.47	11.98	10.50	11.54	10.00	0.44	0.50	6.37	6.00	6.37	-----	34.00	9126
2.81	2.47	10.78	10.50	10.34	10.00	0.44	0.50	6.02	6.00	6.02	-----	36.10	7687
1.72	1.65	14.18	12.50	13.30	12.00	0.88	0.50	4.25	4.00	4.25	-----	32.00	8794
1.77	1.65	13.75	12.50	12.95	12.00	0.80	0.50	4.05	4.00	4.05	-----	33.00	9398
1.83	1.65	13.93	12.50	12.97	12.00	0.96	0.50	4.09	4.00	4.09	-----	32.15	9304
1.73	1.65	13.80	12.50	13.10	12.00	0.70	0.50	4.12	4.00	4.12	-----	-----	9356
2.28	1.65	12.86	12.50	11.92	12.00	0.94	0.50	4.03	4.00	4.03	-----	35.00	9900
1.66	1.65	13.51	12.50	12.51	12.00	1.00	0.50	3.93	4.00	3.93	-----	35.00	9447
1.65	1.65	13.46	12.50	12.84	12.00	0.62	0.50	4.03	4.00	4.03	-----	35.00	8450
1.94	1.65	12.74	12.50	12.16	12.00	0.58	0.50	5.04	4.00	5.04	-----	36.00	8284

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
9692	Agrico for Grain	-----	Passmore Supply Co., Oxford	-----
10140	Agrico for Grain	-----	Russell Brothers, Washington	-----
9635	Agrico for Grain	-----	Harold W. Serfoss, Bowmanstown	-----
8077	Agrico for Grain	-----	B. T. Sutliff, Hunlocks Creek	-----
9325	Agrico for Grain	-----	J. P. Walters, Vicksburg	-----
7685	Agrico for Grain	-----	C. G. Yost, McEwensville	-----
8082	Agrico for Potatoes	-----	J. B. Anderson's Son, Shickshinny	-----
8920	Agrico for Potatoes	-----	Edward Baer, Connellsville	-----
7882	Agrico for Potatoes	-----	Henry Lechene, Patton	-----
7747	Agrico for Potatoes	-----	John T. Morris, Saxton	-----
7838	Agrico for Potatoes	-----	Ralph Musser, Mifflinburg	-----
8386	Agrico for Potatoes	-----	Passmore Supply Co., Oxford	-----
8522	Agrico for Potatoes	-----	Harold Serfoss, Bowmanstown	-----
7688	Agrico for Potatoes	-----	C. G. Yost, McEwensville	-----
8918	Agrico for Truck	-----	Edward Bair, Connellsville	-----
8160	Agrico for Truck	-----	J. P. Faupel, Manns Choice	-----
9066	Agrico for Truck	-----	D. A. Leighty, Newry	-----
8632	Agrico for Truck	-----	John Leitz, Zelenople	-----
8323	Agrico for Truck	-----	C. E. Wissler, Paxtonia	-----
7757	Baker's Special Fertilizer	-----	E. F. England, Bedford	-----
9354	Baker's Special Fertilizer	-----	E. F. England, Bedford	-----
8544	Baker's Special Fertilizer	-----	Farmers Elevator Co., Mercersburg	-----
10027	Baker's Special Fertilizer	-----	Lemasters Elevator Co., Lemasters	-----
8714	Baker's Special Fertilizer	-----	Waite & Burnham, Tyrone	-----
9737	Baker's Special Fertilizer	-----	Waite & Burnham, Tyrone	-----
9990	Bowker's Challenge Fertilizer	-----	N. B. Kirkendall, Nescopeck	-----
7768	Bowker's Challenge Fertilizer	-----	George Rohm, Crystal Springs	-----
8319	Bowker's Challenge Fertilizer	-----	C. E. Wissler, Paxtonia	-----
9305	Bowker's Challenge Fertilizer	-----	C. E. Wissler, Paxtonia	-----
8945	Bowker's Lawn and Garden Dressing	-----	H. M. Spaldings Son, Troy	-----
8421	Bowker's Square Brand Fertilizer	-----	Johnson-Beyer Co., Rural Valley	-----
8228	Bowker's Square Brand Fertilizer	-----	W. B. Kinkendall, Nescopeck	-----
7770	Bowker's Square Brand Fertilizer	-----	George Rohm, Crystal Springs	-----
8630	Bowker's Square Brand Fertilizer	-----	J. A. Zahn, Rochester	-----
8422	Bowker's Stockbridge, Hill and Drill Fertilizer	-----	Johnson-Beyer Co., Rural Valley	-----
8643	Bowker's Stockbridge, Hill and Drill Fertilizer	-----	Monaca Roller Mills, Monaca	-----
9116	Bowker's Sure Crop Fertilizer	-----	Banner Flour Mills, Fairchance	-----
8449	Bowker's Sure Crop Fertilizer	-----	L. A. Glessman, Conneautville	-----
8420	Bowker's Sure Crop Fertilizer	-----	Johnson-Beyer Co., Rural Valley	-----
7761	Bowker's Sure Crop Fertilizer	-----	Metzger Supply Co., Bedford	-----
10079	Bowker's Sure Crop Fertilizer	-----	Pollock Flour & Feed Co., Ford City	-----
9371	Bowker's Sure Crop Fertilizer	-----	George Rohm, Breezewood	-----
8321	Bowker's Sure Crop Fertilizer	-----	C. E. Wissler, Paxtonia	-----
9306	Bowker's Sure Crop Fertilizer	-----	C. E. Wissler, Paxtonia	-----
8629	Bowker's Sure Crop Fertilizer	-----	J. A. Zahn, Rochester	-----
9242	Bradley's Imperial Fertilizer	-----	Ira Burgstresser, Ottsville	-----
8426	E. Frank Coe's Antler Fertilizer	-----	W. P. Lauster, Rural Valley	-----
7702	E. Frank Coe's Antler Fertilizer	-----	J. H. Ross, W. Hamburg	-----
9918	E. Frank Coe's Antler Fertilizer	-----	The I. W. Scott Co., Pittsburgh	-----
9980	E. Frank Coe's Antler Fertilizer	-----	L. G. Williams, St. Johns	-----
8829	E. Frank Coe's Arrow Fertilizer	-----	Abington Lumber Co., Dalton	-----
8927	E. Frank Coe's Columbian Fertilizer	-----	L. T. Lardley, Carmichaels	-----
9137	E. Frank Coe's Columbian Fertilizer	-----	I. W. Scott Co., Pittsburgh	-----
9917	E. Frank Coe's Columbian Fertilizer	-----	I. W. Scott Co., Pittsburgh	-----
8229	E. Frank Coe's Columbian Fertilizer	-----	L. G. Williams, St. Johns	-----
9135	E. Frank Coe's Gold Brand Fertilizer	-----	I. W. Scott Co., Pittsburgh	-----
9140	E. Frank Coe's Red Brand Fertilizer	-----	I. W. Scott Co., Pittsburgh	-----
9335	Hess Laurel Fertilizer	-----	J. R. Iddings, Mifflinburg	-----
7766	Hess Laurel Fertilizer	-----	J. E. Jackson, Everett	-----
9368	Hess Laurel Fertilizer	-----	J. E. Jackson, Everett	-----
9649	Hess Laurel Fertilizer	-----	Elias W. Phillips, Mohrsville	-----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.95	1.65	14.43	12.50	13.29	12.00	1.14	0.50	4.27	4.00	4.27	-----	32.50	9692
1.92	1.65	13.27	12.50	12.47	12.00	0.80	0.50	4.70	4.00	4.70	-----	31.95	10140
1.80	1.65	13.71	12.50	13.07	12.00	0.64	0.50	4.19	4.00	4.19	-----	-----	9635
1.65	1.65	13.18	12.50	12.46	12.00	0.72	0.50	4.14	4.00	4.14	-----	31.05	8077
1.75	1.65	13.76	12.50	13.14	12.00	0.62	0.50	4.29	4.00	4.29	-----	34.00	9325
1.82	1.65	12.70	12.50	12.10	12.00	0.60	0.50	4.27	4.00	4.27	-----	32.30	7655
3.30	3.29	9.49	8.50	8.99	8.00	0.50	0.50	6.02	6.00	6.02	-----	38.50	8082
3.45	3.29	9.20	8.50	8.76	8.00	0.44	0.50	6.03	6.00	6.03	-----	38.05	8920
3.29	3.29	8.87	8.50	8.45	8.00	0.42	0.50	6.03	6.00	6.03	-----	-----	7882
3.55	3.29	8.71	8.50	8.25	8.00	0.46	0.50	6.19	6.00	6.19	-----	39.20	7747
3.30	3.29	8.30	8.50	8.02	8.00	0.28	0.50	6.03	6.00	6.03	-----	32.55	7838
3.29	3.29	9.18	8.50	8.76	8.00	0.42	0.50	6.43	6.00	6.43	-----	40.00	8386
3.21	3.29	9.34	8.50	9.02	8.00	0.32	0.50	5.95	6.00	5.95	-----	27.55	8522
3.31	3.29	8.74	8.50	8.28	8.00	0.46	0.50	6.32	6.00	6.32	-----	37.45	7688
4.63	4.11	11.33	10.50	10.95	10.00	0.38	0.50	5.26	5.00	5.26	-----	41.95	8918
4.24	4.11	11.05	10.50	10.61	10.00	0.44	0.50	5.14	5.00	5.14	-----	-----	8160
4.24	4.11	11.52	10.50	10.78	10.00	0.74	0.50	5.24	5.00	5.24	-----	45.00	9066
4.42	4.11	11.57	10.50	11.17	10.00	0.40	0.50	5.37	5.00	5.37	-----	-----	8632
4.11	4.11	11.00	10.50	10.54	10.00	0.46	0.50	5.59	5.00	5.59	-----	-----	8323
1.11	0.82	12.19	9.50	11.67	9.00	0.52	0.50	*3.09	4.00	3.09	-----	27.50	7757
0.89	0.82	10.43	9.50	10.03	9.00	0.40	0.50	4.29	4.00	4.29	-----	27.00	3354
0.97	0.82	10.69	9.50	10.35	9.00	0.34	0.50	4.08	4.00	4.08	-----	-----	8544
0.92	0.82	10.23	9.50	9.17	9.00	1.06	0.50	4.45	4.00	4.45	-----	24.00	10027
0.96	0.82	11.06	9.50	10.62	9.00	0.44	0.50	4.22	4.00	4.22	-----	26.50	8714
1.05	0.82	10.43	9.50	9.79	9.00	0.64	0.50	4.09	4.00	4.09	-----	26.50	9737
1.65	1.65	9.61	8.50	8.89	8.00	0.72	0.50	10.05	10.00	10.05	-----	33.75	9990
1.72	1.65	8.79	8.50	8.27	8.00	0.52	0.50	10.22	10.00	10.22	-----	-----	7768
1.65	1.65	9.18	8.50	8.60	8.00	0.58	0.50	10.68	10.00	10.68	-----	-----	8319
1.82	1.65	9.58	8.50	8.94	8.00	0.64	0.50	10.62	10.00	10.62	-----	34.70	9305
4.41	4.11	9.75	8.50	9.49	8.00	0.26	0.50	6.91	7.00	6.91	-----	70.00	8945
1.65	1.65	9.44	8.50	8.84	8.00	0.60	0.50	5.64	5.00	5.64	-----	30.00	8421
1.71	1.65	9.62	8.50	8.96	8.00	0.66	0.50	4.91	5.00	4.91	-----	28.95	8223
1.71	1.65	8.84	8.50	8.36	8.00	0.48	0.50	5.00	5.00	5.00	-----	-----	7770
1.81	1.65	9.54	8.50	8.96	8.00	0.58	0.50	5.22	5.00	5.22	-----	32.75	8630
3.39	3.29	10.01	8.50	9.41	8.00	0.60	0.50	6.92	7.00	6.92	-----	44.60	8422
*3.07	3.29	9.80	8.50	9.12	8.00	0.68	0.50	7.05	7.00	7.05	-----	40.50	8643
0.93	0.82	10.94	9.50	10.18	9.00	0.76	0.50	4.00	4.00	4.00	-----	32.00	9116
1.07	0.82	10.24	9.50	9.80	9.00	0.44	0.50	4.04	4.00	4.04	-----	28.00	8449
0.98	0.82	10.61	9.50	10.21	9.00	0.40	0.50	4.22	4.00	4.22	-----	26.50	8420
0.94	0.82	9.93	9.50	9.53	9.00	0.40	0.50	3.90	4.00	3.90	-----	28.00	7761
1.00	0.82	10.18	9.50	9.62	9.00	0.56	0.50	4.00	4.00	4.00	-----	29.00	10079
0.96	0.82	10.72	9.50	10.14	9.00	0.58	0.50	4.40	4.00	4.40	-----	-----	9371
0.97	0.82	10.10	9.50	9.62	9.00	0.48	0.50	4.27	4.00	4.27	-----	-----	8321
0.96	0.82	10.89	9.50	10.23	9.00	0.66	0.50	4.35	4.00	4.35	-----	26.85	9306
1.05	0.82	10.56	9.50	9.90	9.00	0.66	0.50	4.23	4.00	4.23	-----	29.00	8629
1.88	1.65	9.50	8.50	8.80	8.00	0.70	0.50	5.04	5.00	5.04	-----	30.00	9242
1.08	0.82	10.61	9.50	10.27	9.00	0.34	0.50	3.91	4.00	3.91	-----	23.30	8426
0.89	0.82	9.72	9.50	9.22	9.00	0.50	0.50	4.33	4.00	4.33	-----	25.75	7702
0.97	0.82	10.55	9.50	9.97	9.00	0.58	0.50	4.04	4.00	4.04	-----	26.20	9918
0.93	0.82	10.52	9.50	9.80	9.00	0.72	0.50	4.13	4.00	4.13	-----	28.00	9980
1.66	1.65	9.36	8.50	8.72	8.00	0.64	0.50	10.41	10.00	10.41	-----	42.00	8829
1.72	1.65	9.31	8.50	8.85	8.00	0.46	0.50	5.14	5.00	5.14	-----	29.65	8927
1.65	1.65	9.53	8.50	8.89	8.00	0.64	0.50	5.02	5.00	5.02	-----	36.50	9137
1.85	1.65	9.16	8.50	8.70	8.00	0.46	0.50	5.22	5.00	5.22	-----	29.65	9917
1.65	1.65	9.66	8.50	9.06	8.00	0.60	0.50	5.43	5.00	5.43	-----	31.00	8229
2.73	2.47	12.00	10.50	11.14	10.00	0.86	0.50	6.27	6.00	6.27	-----	42.00	9135
3.59	3.29	8.84	8.50	8.24	8.00	0.60	0.50	7.07	7.00	7.07	-----	44.50	9140
1.79	1.65	10.20	8.50	9.32	8.00	0.88	0.50	5.63	5.00	5.63	-----	28.35	9335
1.69	1.65	9.07	8.50	8.71	8.00	0.36	0.50	5.16	5.00	5.16	-----	30.00	7766
1.78	1.65	10.23	8.50	9.49	8.00	0.74	0.50	5.20	5.00	5.20	-----	32.00	9368
1.80	1.65	10.09	8.50	9.55	8.00	0.54	0.50	5.27	5.00	5.27	-----	-----	9649

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9650	Hess Laurel Fertilizer -----	Elias W. Phillips, Mohrsville -----
8485	Hess Laurel Fertilizer -----	W. A. Yost, New Ringgold -----
9334	Hess Little Treasure Fertilizer -----	J. R. Iddings, Mifflinburg -----
7755	Hess Little Treasure Fertilizer -----	J. E. Jackson, Everett -----
9369	Hess Little Treasure Fertilizer -----	J. E. Jackson, Everett -----
8484	Hess Little Treasure Fertilizer -----	W. A. Yost, New Ringgold -----
8483	Hess Possum Brand Fertilizer -----	W. A. Yost, New Ringgold -----
10056	Hess Possum Brand Fertilizer -----	W. A. Yost, New Ringgold -----
8672	Lister's Early Bird Fertilizer -----	Morrow-Buxton, Valencia -----
8971	Lister's Early Bird Fertilizer -----	Simpson Brothers, Norristown -----
8970	Lister's G Brand Fertilizer -----	Wm. H. Fritz, Berwyn -----
9605	Lister's G Brand Fertilizer -----	Herman & Wetzel, Selinsgrove -----
8633	Lister's G Brand Fertilizer -----	John Leitz, Zellenople -----
9391	Lister's G Brand Fertilizer -----	Mummau Brothers, Rheems -----
8887	Lister's G Brand Fertilizer -----	W. H. Stock, New Oxford -----
7773	Lister's Golden Crown Fertilizer -----	Farmers Supply Co., Everett -----
9608	Lister's Golden Crown Fertilizer -----	Herman & Wetzel, Selinsgrove -----
8635	Lister's Golden Crown Fertilizer -----	John Leitz, Zellenople -----
7922	Lister's Golden Crown Fertilizer -----	Mifflinburg Milling Co., Mifflinburg -----
8972	Lister's Golden Crown Fertilizer -----	Simpson Brothers, Norristown -----
9766	Lister's Golden Crown Fertilizer -----	R. K. Yoder, Belleville -----
10038	Lister's Harvest Queen Fertilizer -----	W. H. Fogelsanger, Shippensburg -----
9606	Lister's Harvest Queen Fertilizer -----	Herman & Wetzel, Selinsgrove -----
7760	Lister's Harvest Queen Fertilizer -----	Metzger Supply Co., Bedford -----
8973	Lister's Harvest Queen Fertilizer -----	Simson Brothers, Norristown -----
8886	Lister's Harvest Queen Fertilizer -----	W. H. Stock, New Oxford -----
8187	Lister's Sovereign Fertilizer -----	Herman & Wetzel, Selinsgrove -----
9943	Lister's Sovereign Fertilizer -----	E. J. Seymore, Dysart -----
8883	Lister's Sovereign Fertilizer -----	W. H. Stock, New Oxford -----
8673	Lister's Squirrel Brand Fertilizer -----	Morrow & Buxton, Valencia -----
7680	Lister's Success Fertilizer -----	R. S. Blain, Turbotville -----
8634	Lister's Success Fertilizer -----	John Leitz, Zellenople -----
8605	Lister's Success Fertilizer -----	R. K. Yoder, Belleville -----
7758	Patapasco Big Chief Fertilizer -----	E. F. England, Bedford -----
9363	Patapasco Big Chief Fertilizer -----	Farmers Supply Co., Everett -----
9359	Patapasco Big Chief Fertilizer -----	Hillgas Brothers, Buffalo Mills -----
10001	Patapasco Big Chief Fertilizer -----	D. E. Schwartz, Gettysburg -----
9324	Patapasco Big Chief Fertilizer -----	J. P. Walters, Vicksburg -----
8938	Patapasco Coon Brand Fertilizer -----	Elwin Allen, Conley -----
7772	Patapasco Coon Brand Fertilizer -----	Farmers Supply Co., Everett -----
9362	Patapasco Coon Brand Fertilizer -----	Farmers Supply Co., Everett -----
8429	Patapasco Coon Brand Fertilizer -----	Gates Granary, Kittanning -----
9446	Patapasco Coon Brand Fertilizer -----	H. F. Gelbach, Evans City -----
9110	Patapasco Coon Brand Fertilizer -----	Russell Brothers, Washington -----
10139	Patapasco Coon Brand Fertilizer -----	Russell Brothers, Washington -----
AMERICAN SODA PRODUCTS CO., MOORESTOWN, N. J.		
8576	Gro-Green Fern Food -----	S. S. Kresge Co., Seranton -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
10058	Armour's Big Crop Fertilizers 1-9-4 -----	W. K. Davis Darlington -----
8026	Armour's Big Crop Fertilizers 1-9-4 -----	Keystone Flour and Feed Co., Reynoldsville -----
9487	Armour's Big Crop Fertilizers 1-9-4 -----	McConnell Brothers, Hughesville -----
8709	Armour's Big Crop Fertilizers 1-9-4 -----	Orr & Grazier, Tyrone -----
8510	Armour's Big Crop Fertilizers 1-9-4 -----	M. L. Serfoss, Broadheadsville -----
9164	Armour's Big Crop Fertilizers 1-9-4 -----	A. Skelly, Ebensburg -----
7913	Armour's Big Crop Fertilizers 1-9-4 -----	Steeles Store, Latrobe -----
9614	Armour's Big Crop Fertilizers 1-9-4 -----	George H. Steininger, Middleburg -----
9526	Armour's Big Crop Fertilizers 1-9-4 -----	Taylor Estate, Shade Gap -----
9581	Armour's Big Crop Fertilizers 2-8-5 -----	D. Luther Bogenrief, Mifflinburg -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.84	1.65	9.98	8.50	9.18	8.00	0.80	0.50	5.21	5.00	5.21	-----	29.50	9650
1.71	1.65	9.27	8.50	8.73	8.60	0.54	0.50	5.24	5.00	5.24	-----	25.00	8485
0.89	0.82	10.70	9.50	10.28	9.00	0.42	0.50	4.05	4.00	4.05	-----	28.00	9334
0.92	0.82	9.69	9.50	9.25	9.00	0.44	0.50	4.17	4.00	4.17	-----	28.00	7755
0.92	0.82	10.61	9.50	9.87	9.00	0.74	0.50	4.26	4.00	4.26	-----	28.00	9369
0.88	0.82	10.33	9.50	9.93	9.00	0.40	0.50	4.47	4.00	4.47	-----	26.50	8484
1.71	1.65	9.81	8.50	9.29	8.00	0.52	0.50	10.17	10.00	10.17	-----	32.50	8483
1.66	1.65	9.01	8.50	8.23	8.00	0.78	0.50	10.42	10.00	10.42	-----	32.50	10056
3.68	3.29	9.34	8.50	8.78	8.00	0.56	0.50	6.86	7.00	6.86	-----	42.00	8612
3.30	3.29	9.15	8.50	8.75	8.00	0.40	0.50	7.13	7.00	7.13	-----	43.20	8971
0.86	0.82	10.78	9.50	10.20	9.00	0.58	0.50	4.33	4.00	4.33	-----	29.00	8970
0.88	0.82	10.54	9.50	10.00	9.00	0.54	0.50	4.33	4.00	4.33	-----	25.50	9605
1.03	0.82	10.10	9.50	9.50	9.00	0.60	0.50	4.19	4.00	4.19	-----	28.00	8633
0.88	0.82	10.89	9.50	10.33	9.00	0.56	0.50	4.01	4.00	4.01	-----	28.50	9391
1.05	0.82	11.14	9.50	9.78	9.00	1.36	0.50	4.14	4.00	4.14	-----	23.00	8887
1.76	1.65	8.57	8.50	8.11	8.00	0.46	0.50	10.02	10.00	10.02	-----	37.00	7773
1.71	1.65	10.74	8.50	10.00	8.00	0.74	0.50	10.45	10.00	10.45	-----	34.00	9608
1.70	1.65	9.13	8.50	8.89	8.00	0.24	0.50	10.64	10.00	10.64	-----	38.90	8635
1.74	1.65	9.24	8.50	8.72	8.00	0.52	0.50	10.49	10.00	10.49	-----	33.15	7922
1.65	1.65	9.41	8.50	8.65	8.00	0.76	0.50	10.21	10.00	10.21	-----	38.90	8972
1.99	1.65	11.12	8.50	9.60	8.00	1.52	0.50	10.50	10.00	10.50	-----	32.80	9766
1.77	1.65	9.38	8.50	8.80	8.00	1.08	0.50	5.47	5.00	5.47	-----	27.00	10038
1.77	1.65	9.44	8.50	8.76	8.00	0.68	0.50	5.06	5.00	5.06	-----	28.50	9606
1.73	1.65	8.84	8.50	8.34	8.00	0.50	0.50	4.87	5.00	4.87	-----	33.00	7760
1.72	1.65	9.63	8.50	8.91	8.00	0.72	0.50	5.07	5.00	5.07	-----	32.70	8973
1.80	1.65	9.85	8.50	9.21	8.00	0.64	0.50	5.08	5.00	5.08	-----	26.25	8888
1.72	1.65	13.18	12.50	12.72	12.00	0.46	0.50	4.12	4.00	4.12	-----	28.00	8187
1.90	1.65	13.56	12.50	12.62	12.00	0.94	0.50	4.21	4.00	4.21	-----	28.00	9943
1.90	1.65	13.94	12.50	13.30	12.00	0.64	0.50	4.32	4.00	4.32	-----	29.50	8888
2.66	2.47	11.14	10.50	10.68	10.00	0.46	0.50	6.60	6.00	6.60	-----	39.00	8673
1.71	1.65	9.83	9.50	9.33	9.00	0.50	0.50	3.24	3.00	3.24	-----	27.00	7680
1.88	1.65	11.89	9.50	11.21	9.00	0.68	0.50	3.16	3.00	3.16	-----	3.16	8634
2.03	1.65	11.38	9.50	10.86	9.00	0.52	0.50	3.02	3.00	3.02	-----	26.75	8605
2.66	1.65	9.06	8.50	8.72	8.00	0.34	0.50	4.74	5.00	4.74	-----	31.00	7758
1.90	1.65	10.22	8.50	9.44	8.00	0.78	0.50	5.04	5.00	5.04	-----	32.00	9363
1.69	1.65	9.83	8.50	8.87	8.00	0.96	0.50	5.19	5.00	5.19	-----	32.00	9359
1.75	1.65	9.58	8.50	8.98	8.00	0.60	0.50	5.10	5.00	5.10	-----	32.00	10001
1.66	1.65	9.59	8.50	8.65	8.00	0.94	0.50	5.07	5.00	5.07	-----	30.50	9324
0.92	0.82	10.49	9.50	10.01	9.00	0.48	0.50	4.03	4.00	4.03	-----	28.00	8938
0.89	0.82	10.00	9.50	9.36	9.00	0.64	0.50	4.07	4.00	4.07	-----	28.00	7772
0.92	0.82	10.63	9.50	10.17	9.00	0.46	0.50	4.07	4.00	4.07	-----	28.00	9362
0.98	0.82	10.15	9.50	9.87	9.00	0.28	0.50	4.00	4.00	4.00	-----	28.50	8429
0.90	0.82	10.24	9.50	9.34	9.00	0.90	0.50	4.01	4.00	4.01	-----	28.00	9446
0.94	0.82	10.56	9.50	9.86	9.00	0.70	0.50	4.04	4.00	4.04	-----	30.50	9110
0.91	0.82	9.95	9.50	9.05	9.00	0.90	0.50	4.16	4.00	4.16	-----	25.20	10139
5.25	4.92	11.62	-----	11.22	8.00	0.40	-----	3.59	3.00	-----	3.59	‡	8576
1.11	0.82	9.96	9.50	9.68	9.00	0.28	0.50	4.28	4.00	4.28	-----	27.00	10058
0.89	0.82	9.82	9.50	9.68	9.00	0.14	0.50	4.19	4.00	4.19	-----	26.30	8026
0.98	0.82	10.15	9.50	9.93	9.00	0.22	0.50	4.54	4.00	4.54	-----	25.85	9487
0.97	0.82	10.09	9.50	9.85	9.00	0.24	0.50	4.03	4.00	4.03	-----	28.80	8709
1.00	0.82	10.86	9.50	10.04	9.00	0.82	0.50	4.19	4.00	4.19	-----	25.80	8510
0.93	0.82	10.33	9.50	10.13	9.00	0.20	0.50	3.82	4.00	3.82	-----	32.00	9164
0.95	0.82	9.81	9.50	9.59	9.00	0.22	0.50	3.88	4.00	3.88	-----	31.50	7913
1.01	0.82	9.89	9.50	9.69	9.00	0.20	0.50	4.25	4.00	4.25	-----	25.00	9614
1.02	0.82	9.53	9.50	9.39	9.00	0.14	0.50	4.09	4.00	4.09	-----	29.15	9526
1.73	1.65	9.03	8.50	8.93	8.00	0.10	0.50	5.10	5.00	5.10	-----	29.15	9581

*Deficient.

‡Sold at the rate of 10 cts. for 4 ounces.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9726	Armour's Big Crop Fertilizers 2-8-5	A. J. Dean & Son, Hawthorne
8543	Armour's Big Crop Fertilizers 2-8-5	Farmers Elevator Co., Mercersburg
9889	Armour's Big Crop Fertilizers 2-8-5	E. B. Fritz & Sons Co., Quarryville
7714	Armour's Big Crop Fertilizers 2-8-5	Amby Hettler, Lehighton
9510	Armour's Big Crop Fertilizers 2-8-5	B. F. Hoover, Hesston
9754	Armour's Big Crop Fertilizers 2-8-5	Kretchman & Weiner, Meyersdale
8103	Armour's Big Crop Fertilizers 2-8-5	Oil City Milling Co., Oil City
8706	Armour's Big Crop Fertilizers 2-8-5	Orr & Grazier, Tyrone
8002	Armour's Big Crop Fertilizers 2-8-5	Passmore Supply Co., Avondale
9698	Armour's Big Crop Fertilizers 2-8-5	Passmore Supply Co., Avondale
7805	Armour's Big Crop Fertilizers 2-8-5	A. J. Roat Supply Co., Kingston
10069	Armour's Big Crop Fertilizers 2-8-5	Shufflin & Green, Butler
7744	Armour's Big Crop Fertilizers 2-8-5	D. Stoler, Saxton
8739	Armour's Big Crop Fertilizers 2-8-10	Fetzer Brothers, Brookville
9512	Armour's Big Crop Fertilizers 2-8-10	B. F. Hoover, Hesston
8104	Armour's Big Crop Fertilizers 2-8-10	Oil City Milling Co., Oil City
8792	Armour's Big Crop Fertilizers 2-8-10	H. Z. Pride & Son, Westfield
10054	Armour's Big Crop Fertilizers 2-8-10	Seligman & Co., Inc., Tamaqua
8631	Armour's Big Crop Fertilizers 2-8-10	W. W. Thompson & Co., Jamestown
7898	Armour's Big Crop Fertilizers 2-8-10	L. B. Weller, Ligonier
9112	Armour's Big Crop Fertilizers 2-12-2	Fayette Farmers Supply Co., Uniontown
8027	Armour's Big Crop Fertilizers 2-12-2	Keystone Flour & Feed Co., Punxsutawney
10067	Armour's Big Crop Fertilizers 2-12-2	Shufflin & Green, Butler
8692	Armour's Big Crop Fertilizers 2-12-2	W. W. Thompson & Co., Jamestown
8260	Armour's Big Crop Fertilizers 2-12-4	M. C. Deitz's Sons, Mechanicsburg
9774	Armour's Big Crop Fertilizers 2-12-4	C. H. Eungard, Spring Mills
7716	Armour's Big Crop Fertilizers 2-12-4	Amby Hettler, Lehighton
9729	Armour's Big Crop Fertilizers 2-12-4	J. D. London, Cloe
8663	Armour's Big Crop Fertilizers 2-12-4	Moore & Moore, Portersville
10084	Armour's Big Crop Fertilizers 2-12-4	Moore & Moore, Portersville
8329	Armour's Big Crop Fertilizers 2-12-4	S. H. Orndorf, Woodward
9194	Armour's Big Crop Fertilizers 2-16-8	H. C. Beerits Sons, Somerset
9200	Armour's Big Crop Fertilizers 2-16-8	Berlin Feed Co., Berlin
9528	Armour's Big Crop Fertilizers 2-16-8	W. B. Burdge, East Waterford
9725	Armour's Big Crop Fertilizers 2-16-8	A. J. Dean & Son, Hawthorne
8786	Armour's Big Crop Fertilizers 2-16-8	Devling Brothers, Galetton
8653	Armour's Big Crop Fertilizers 2-16-8	Chas. E. Dunlap, Chicora
9890	Armour's Big Crop Fertilizers 2-16-8	E. B. Fritz Sons & Co., Quarryville
9488	Armour's Big Crop Fertilizers 2-16-8	McConnell Brothers, Hughesville
8030	Armour's Big Crop Fertilizers 2-16-8	Reynoldsville Hardware Co., Reynoldsville
10068	Armour's Big Crop Fertilizers 2-16-8	Shufflin & Green, Butler
8833	Armour's Big Crop Fertilizers 2-16-8	Coe H. Stearns, Kingley
7899	Armour's Big Crop Fertilizers 2-16-8	L. B. Weller, Ligonier
8785	Armour's Big Crop Fertilizers 4-16-4	Devling Brothers, Galetton
10155	Armour's Big Crop Fertilizers 4-16-4	W. H. Dunlap, Jr., Cannonsburg
8910	Armour's Big Crop Fertilizers 4-16-4	J. B. Hayward Sons, Monongahela
7715	Armour's Big Crop Fertilizers 4-16-4	Amby Hettler, Lehighton
9511	Armour's Big Crop Fertilizers 4-16-4	B. F. Hoover, Hesston
9730	Armour's Big Crop Fertilizers 4-16-4	J. D. London, Cloe
8105	Armour's Big Crop Fertilizers 4-16-4	Oil City Milling Co., Oil City
8031	Armour's Big Crop Fertilizers 4-16-4	Reynoldsville Hardware Co., Reynoldsville
10070	Armour's Big Crop Fertilizers 4-16-4	Shufflin & Green, Butler
7914	Armour's Big Crop Fertilizers 4-16-4	Steele's Store, Latrobe
8591	Armour's Big Crop Fertilizers 4-16-4	W. E. Williams, Port Matilda
9932	Armour's Big Crop Fertilizers 4-16-4	Wylie Brothers, Elizabeth
9723	Armour's Big Crop Fertilizers 4-16-10	A. J. Dean & Son, Hawthorn
8330	Armour's Big Crop Fertilizers 4-16-10	S. H. Orndorf, Woodward
9699	Armour's Big Crop Fertilizers 4-16-10	Passmore Supply Co., Avondale
9280	Armour's Big Crop Fertilizers 4-16-10	O. M. Spettigue, Honesdale
8693	Armour's Big Crop Fertilizers 4-16-10	W. W. Thompson & Co., Jamestown
8930	Armour's Big Crop Fertilizers 5-8-5	W. H. Dunlap, Jr., Cannonsburg
10156	Armour's Big Crop Fertilizers 5-8-5	W. H. Dunlap, Jr., Cannonsburg
7806	Armour's Big Crop Fertilizers 5-8-5	A. J. Roat Supply Co., Kingston

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.79	1.65	8.32	8.50	8.20	8.00	0.12	0.50	5.41	5.00	5.41	-----	31.50	9726
1.92	1.65	9.76	8.50	9.62	8.00	0.14	0.50	4.95	5.00	4.95	-----	-----	8543
1.70	1.65	8.42	8.50	8.22	8.00	0.20	0.50	5.23	5.00	5.23	-----	27.00	9889
1.80	1.65	9.20	8.50	8.76	8.00	0.44	0.50	4.96	5.00	4.96	-----	-----	7714
1.82	1.65	9.96	8.50	9.66	8.00	0.30	0.50	4.90	5.00	4.90	-----	29.05	9510
1.83	1.65	8.34	8.50	8.22	8.00	0.12	0.50	5.17	5.00	5.17	-----	28.25	9754
1.94	1.65	8.87	8.50	8.69	8.00	0.18	0.50	5.11	5.00	5.11	-----	29.65	8103
1.79	1.65	9.76	8.50	9.46	8.00	0.30	0.50	4.92	5.00	4.92	-----	32.50	8706
1.75	1.65	9.03	8.50	8.79	8.00	0.24	0.50	*4.72	5.00	4.72	-----	28.00	8002
1.94	1.65	8.83	8.50	8.67	8.00	0.16	0.50	5.34	5.00	5.34	-----	28.00	9698
1.88	1.65	8.05	8.50	7.87	8.00	0.18	0.50	6.11	5.00	6.11	-----	35.40	7805
1.84	1.65	9.36	8.50	9.12	8.00	0.24	0.50	5.72	5.00	5.72	-----	33.05	10069
1.83	1.65	8.81	8.50	8.69	8.00	0.12	0.50	*4.71	5.00	4.71	-----	32.00	7744
1.76	1.65	8.79	8.50	8.69	8.00	0.10	0.50	10.71	10.00	10.71	-----	27.00	8739
1.78	1.65	9.08	8.50	8.98	8.00	0.10	0.50	10.15	10.00	10.15	-----	34.00	9512
1.91	1.65	8.88	8.50	8.78	8.00	0.10	0.50	*9.52	10.00	9.52	-----	34.65	8104
1.72	1.65	9.15	8.50	9.05	8.00	0.10	0.50	10.46	10.00	10.46	-----	30.00	8792
1.79	1.65	8.37	8.50	8.13	8.00	0.24	0.50	10.30	10.00	10.30	-----	37.00	10054
1.65	1.65	9.13	8.50	8.87	8.00	0.26	0.50	10.42	10.00	10.42	-----	37.65	8691
1.52	1.65	8.29	8.50	8.17	8.00	0.12	0.50	9.91	10.00	9.91	-----	37.00	7898
1.90	1.65	13.44	12.50	13.00	12.00	0.44	0.50	2.36	2.00	2.36	-----	28.60	9112
1.76	1.65	12.70	12.50	12.46	12.00	0.24	0.50	2.30	2.00	2.30	-----	30.10	8027
1.65	1.65	9.54	12.50	*9.00	12.00	0.54	0.50	2.36	2.00	2.36	-----	32.45	10067
1.73	1.65	13.27	12.50	12.71	12.00	0.56	0.50	2.28	2.00	2.28	-----	33.00	8692
1.68	1.65	12.93	12.50	12.79	12.00	0.14	0.50	4.42	4.00	4.42	-----	31.25	8260
1.78	1.65	12.92	12.50	12.66	12.00	0.26	0.50	4.10	4.00	4.10	-----	33.00	9774
1.93	1.65	12.05	12.50	*11.71	12.00	0.34	0.50	4.47	4.00	4.47	-----	-----	7716
1.91	1.65	12.91	12.50	12.59	12.00	0.32	0.50	4.32	4.00	4.32	-----	29.95	9729
1.99	1.65	12.97	12.50	12.65	12.00	0.32	0.50	4.28	4.00	4.28	-----	34.10	8663
1.90	1.65	13.13	12.50	12.89	12.00	0.24	0.50	3.94	4.00	3.94	-----	34.10	10084
1.84	1.65	13.09	12.50	12.97	12.00	0.12	0.50	4.20	4.00	4.20	-----	32.00	8329
1.76	1.65	17.18	16.50	16.68	16.00	0.50	0.50	*7.71	8.00	7.71	-----	40.00	9194
1.80	1.65	16.44	16.50	16.20	16.00	0.24	0.50	8.53	8.00	8.53	-----	40.25	9200
2.22	1.65	17.50	16.50	17.26	16.00	0.24	0.50	8.50	8.00	8.50	-----	40.75	9528
2.18	1.65	17.76	16.50	17.34	16.00	0.42	0.50	8.49	8.00	8.49	-----	43.00	9725
1.66	1.65	17.41	16.50	17.29	16.00	0.12	0.50	8.85	8.00	8.85	-----	45.25	8786
1.72	1.65	16.84	16.50	16.72	16.00	0.12	0.50	8.20	8.00	8.20	-----	43.00	8653
1.98	1.65	17.87	16.50	17.47	16.00	0.40	0.50	9.06	8.00	9.06	-----	37.80	9890
2.05	1.65	18.09	16.50	17.89	16.00	0.20	0.50	8.18	8.00	8.18	-----	39.35	9488
1.77	1.65	16.66	16.50	16.56	16.00	0.10	0.50	8.26	8.00	8.26	-----	43.00	8030
2.10	1.65	17.82	16.50	17.64	16.00	0.18	0.50	8.67	8.00	8.67	-----	42.90	10068
1.75	1.65	16.77	16.50	16.59	16.00	0.18	0.50	8.67	8.00	8.67	-----	40.00	8833
1.65	1.65	16.71	16.50	16.59	16.00	0.12	0.50	8.91	8.00	8.91	-----	43.50	7899
3.30	3.29	17.64	16.50	17.38	16.00	0.26	0.50	4.22	4.00	4.22	-----	47.50	8785
3.63	3.29	17.58	16.50	16.94	16.00	0.64	0.50	4.40	4.00	4.40	-----	45.00	10155
3.32	3.29	16.99	16.50	16.89	16.00	0.10	0.50	4.21	4.00	4.21	-----	43.00	8910
3.52	3.29	16.66	16.50	16.30	16.00	0.36	0.50	4.27	4.00	3.30	0.97	-----	7715
3.53	3.29	17.90	16.50	17.50	16.00	0.40	0.50	4.27	4.00	4.27	-----	42.00	9511
3.64	3.29	17.20	16.50	16.98	16.00	0.22	0.50	4.27	4.00	4.27	-----	40.80	9730
3.32	3.29	17.48	16.50	17.32	16.00	0.16	0.50	4.05	4.00	4.05	-----	43.00	8105
3.29	3.29	17.23	16.50	16.97	16.00	0.26	0.50	4.01	4.00	4.01	-----	35.00	8031
3.60	3.29	17.27	16.50	16.95	16.00	0.32	0.50	4.69	4.00	4.69	-----	45.30	10070
3.31	3.29	16.53	16.50	16.33	16.00	0.20	0.50	4.26	4.00	4.26	-----	50.00	7914
3.71	3.29	17.09	16.50	16.97	16.00	0.12	0.50	4.37	4.00	4.37	-----	-----	8591
3.42	3.29	17.54	16.50	17.24	16.00	0.30	0.50	4.34	4.00	4.34	-----	41.80	9932
3.51	3.29	17.55	16.50	17.37	16.00	0.18	0.50	10.22	10.00	10.22	-----	53.00	9723
3.30	3.29	16.17	16.50	16.05	16.00	0.12	0.50	*9.54	10.00	9.54	-----	46.00	8330
3.38	3.29	16.89	16.50	16.67	16.00	0.22	0.50	10.33	10.00	10.33	-----	50.00	9699
3.60	3.29	16.60	16.50	16.00	16.00	0.60	0.50	10.04	10.00	10.04	-----	60.00	9280
3.16	3.29	17.96	16.50	16.88	16.00	1.08	0.50	10.77	10.00	10.77	-----	54.10	8693
4.18	4.11	8.79	8.50	8.47	8.00	0.32	0.50	5.30	5.00	5.30	-----	48.00	8930
4.30	4.11	9.26	8.50	8.70	8.00	0.56	0.50	5.28	5.00	5.28	-----	42.00	10156
4.09	4.11	8.62	8.50	8.44	8.00	0.18	0.50	*4.61	5.00	4.61	-----	48.20	7806

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8986	Armour's Big Crop Fertilizers 5-8-5 --	Valley Coal Co., Sayre -----
8035	Armour's Big Crop Fertilizers 7-11-10 --	Harry L. Diehl, Lehighton -----
7912	Armour's Big Crop Golf Course Mixture	Steeles Store, Latrobe -----
7721	Armour's Big Crop High Grade Potato	Amby Hettler, Lehighton -----
8789	Armour's Big Crop Potato Grower --	Devling Brothers, Galeton -----
8652	Armour's Big Crop Potato Grower --	Chas. E. Dunlap, Chicora -----
7723	Armour's Big Crop Potato Grower --	Amby Hettler, Lehighton -----
8003	Armour's Big Crop Potato Grower --	Passmore Supply Co., Avondale -----
8032	Armour's Big Crop Potato Grower --	Reynoldsville Hardware Co., Reynoldsville --
9166	Armour's Big Crop Potato Grower --	A. Skelly, Ebensburg -----
8142	Armour's Big Crop Potato Grower --	E. L. Smith & Co., Union City -----
7743	Armour's Big Crop Potato Grower --	D. Stoler, Saxton -----
7896	Armour's Big Crop Potato Grower --	L. B. Weller, Ligonier -----
9933	Armour's Big Crop Potato Grower --	Wylie Brothers, Elizabeth -----
9279	Armour's Big Crop Special Mixture Fertilizer -----	Guinn Brothers, Hawley -----
7720	Armour's Big Crop Special Mixture Fertilizer -----	Amby Hettler, Lehighton -----
8270	Armour's Big Crop Special Mixture Fertilizer -----	Hibner-Hoover Hardware Co., DuBois -----
8980	Armour's Big Crop Tobacco Grower --	James K. Lewis, Honeybrook -----
8263	Armour's Big Crop Tomato Grower --	M. C. Deitz's Sons, Mechanicsburg -----
9087	Armour's Big Crop Tomato Grower --	I. L. Duncan, New Florence -----
7722	Armour's Big Crop Tomato Grower --	Amby Hettler, Lehighton -----
7808	Armour's Big Crop Tomato Grower --	A. J. Roat Supply Co., Kingston -----
8481	Armour's Big Crop Tomato Grower --	Seligman & Co., Inc., Tamaqua -----
8787	Armour's Big Crop Truck Grower -----	Devling Brothers, Galeton -----
9085	Armour's Big Crop Truck Grower -----	I. L. Duncan, New Florence -----
8654	Armour's Big Crop Truck Grower -----	Chas. E. Dunlap, Chicora -----
9934	Armour's Big Crop Truck Grower -----	Wylie Brothers, Elizabeth -----
7804	Armour's Lawn and Garden Grower --	A. J. Roat Supply Co., Kingston -----
8824	Armour's Lawn and Garden Grower --	Sears-Roebuck & Co., Scranton -----
9724	N. P. K. No. 1 -----	A. J. Dean & Son, Hawthorne -----
8237	N. P. K. No. 1 -----	C. F. Rarleh, Drums -----
BALTIMORE FERTILIZER CO., BALTIMORE, MD.		
7583	Honest 1-9-4 -----	Chambersburg Fertilizer Works, Chambers- burg -----
10006	Honest 1-9-4 -----	Chambersburg Fertilizer Works, Chambers- burg -----
7581	Honest 2-8-5 -----	Chambersburg Fertilizer Works, Chambers- burg -----
10003	Honest 2-8-5 -----	Chambersburg Fertilizer Works, Chambers- burg -----
7585	Honest 2-8-10 -----	Chambersburg Fertilizer Works, Chambers- burg -----
8247	Honest 4-8-7 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9468	Honest 4-8-7 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
7584	Honest 4-8-7 -----	Chambersburg Fertilizer Works, Chambers- burg -----
7582	Old Honesty -----	Chambersburg Fertilizer Works, Chambers- burg -----
10005	Old Honesty -----	Chambersburg Fertilizer Works, Chambers- burg -----
BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
9893	Baugh's 2-16-8 -----	M. J. Schill & Co., Marble -----
8212	Baugh's Animal Base and Potash Com- pound -----	A. W. Eves, Millville -----
9587	Baugh's Animal Base and Potash Com- pound -----	Ralph Fuller, Turbotville -----
9210	Baugh's Balanced Plant Food -----	Barnett Brothers, Boswell -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
4.04	4.11	9.03	8.50	8.63	8.00	0.40	0.50	5.10	5.00	5.10	-----	46.00	8986
5.57	5.76	11.98	11.50	11.86	11.00	0.12	0.50	10.17	10.00	10.17	-----	-----	8035
4.14	4.11	9.32	8.50	9.02	8.00	0.30	0.50	5.05	5.00	5.05	-----	48.75	7912
1.65	1.65	8.80	8.50	8.42	8.00	0.38	0.50	10.29	10.00	10.29	-----	-----	7721
*3.00	3.29	9.44	8.50	9.22	8.00	0.22	0.50	*6.80	7.00	6.80	-----	42.55	8789
3.38	3.29	8.81	8.50	8.59	8.00	0.22	0.50	7.21	7.00	7.21	-----	41.00	8652
3.40	3.29	9.17	8.50	8.81	8.00	0.36	0.50	*6.78	7.00	6.78	-----	-----	7723
3.57	3.29	8.76	8.50	8.64	8.00	0.12	0.50	7.08	7.00	7.08	-----	35.00	8003
3.22	3.29	8.83	8.50	8.57	8.00	0.26	0.50	6.98	7.00	6.98	-----	40.00	8032
3.17	3.29	9.46	8.50	9.18	8.00	0.28	0.50	7.05	7.00	7.06	-----	42.00	9166
3.25	3.29	8.56	8.50	8.46	8.00	0.10	0.50	7.08	7.00	7.08	-----	38.05	8142
*3.05	3.29	8.66	8.50	8.44	8.00	0.22	0.50	7.02	7.00	7.02	-----	38.70	7743
3.32	3.29	8.58	8.50	8.40	8.00	0.18	0.50	7.07	7.00	7.07	-----	40.00	7896
3.59	3.29	9.18	8.50	8.82	8.00	0.36	0.50	7.13	7.00	7.13	-----	38.55	9933
1.79	1.65	10.52	9.50	9.34	9.00	1.18	0.50	3.10	3.00	3.10	-----	35.00	9279
1.78	1.65	9.58	9.50	9.18	9.00	0.40	0.50	3.54	3.00	3.54	-----	-----	7720
1.77	1.65	11.85	9.50	10.07	9.00	1.78	0.50	2.93	3.00	2.93	-----	33.00	8270
3.94	4.11	5.00	4.50	4.86	4.00	0.14	0.50	*4.79	5.00	-----	4.79	-----	8980
2.52	2.47	10.56	10.50	10.36	10.00	0.20	0.50	6.29	6.00	6.29	-----	34.90	8263
2.50	2.47	10.97	10.50	10.53	10.00	0.44	0.50	6.38	6.00	6.38	-----	43.65	9087
2.60	2.47	11.39	10.50	10.89	10.00	0.50	0.50	*5.60	6.00	5.60	-----	-----	7722
2.91	2.47	10.52	10.50	10.42	10.00	0.10	0.50	7.21	6.00	7.21	-----	43.25	7808
2.54	2.47	11.43	10.50	11.19	10.00	0.24	0.50	6.12	6.00	6.12	-----	40.00	8481
5.78	5.76	12.99	12.50	12.79	12.00	0.20	0.50	7.87	7.00	7.87	-----	57.40	8787
6.00	5.76	12.39	12.50	12.11	12.00	0.28	0.50	7.60	7.00	7.60	-----	52.75	9085
*5.39	5.76	12.50	12.50	12.36	12.00	0.14	0.50	7.34	7.00	7.34	-----	54.00	8654
5.63	5.76	12.90	12.50	12.54	12.00	0.36	0.50	7.13	7.00	7.16	-----	52.40	9934
5.25	4.94	10.43	8.50	9.07	8.00	1.36	0.50	5.93	6.00	1.10	4.83	70.00	7804
5.25	4.93	15.69	8.50	10.64	8.00	5.05	0.50	6.66	6.00	4.00	2.66	↑	8824
9.21	9.00	26.68	27.50	*26.39	27.00	0.29	0.50	9.85	9.00	9.85	-----	80.00	9724
8.88	9.00	27.71	27.50	27.29	27.00	0.42	0.50	*8.78	9.00	7.20	1.58	62.50	8237
0.94	0.82	11.05	9.50	10.43	9.00	0.62	0.50	3.93	4.00	3.93	-----	25.50	7583
0.85	0.82	10.87	9.50	10.41	9.00	0.46	0.50	4.13	4.00	4.13	-----	24.00	10006
1.79	1.64	9.31	8.50	8.63	8.00	0.68	0.50	5.55	5.00	5.55	-----	29.00	7581
1.80	1.64	9.83	8.50	9.25	8.00	0.58	0.50	5.59	5.00	5.59	-----	27.00	10003
1.81	1.64	9.31	8.50	8.85	8.00	0.46	0.50	10.01	10.00	10.01	-----	33.50	7585
3.47	3.28	10.13	8.50	9.67	8.00	0.46	0.50	7.14	7.00	7.14	-----	-----	8247
3.50	3.28	9.91	8.50	9.39	8.00	0.52	0.50	7.65	7.00	7.65	-----	-----	9468
3.24	3.28	8.88	8.50	8.56	8.00	0.32	0.50	7.88	7.00	7.88	-----	36.50	7584
1.03	0.82	12.16	11.50	11.54	11.00	0.62	0.50	2.37	2.00	2.37	-----	25.00	7582
0.78	0.82	12.91	11.50	11.81	11.00	1.10	0.50	2.33	2.00	2.33	-----	24.00	10005
1.80	1.65	17.86	16.00	16.84	16.00	1.02	-----	8.50	8.00	8.50	-----	38.50	9893
1.71	1.65	10.22	9.00	9.68	9.00	0.54	-----	3.49	3.00	3.49	-----	27.84	8212
1.80	1.65	10.57	9.00	9.85	9.00	0.72	-----	3.16	3.00	3.16	-----	27.50	9587
3.12	3.30	13.64	12.00	12.60	12.00	1.64	-----	4.00	4.00	4.00	-----	35.50	9210

*Deficient.

†Sold at the rate of 47 cents for 5 lbs.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8540	Baugh's Balanced Plant Food -----	George M. Dietrich, Williamson -----
8773	Baugh's Balanced Plant Food -----	D. E. Goodenough & Sons, Coudersport -----
9243	Baugh's Balanced Plant Food -----	H. B. Kratz & Son, Schwenksville -----
9908	Baugh's Balanced Plant Food -----	Routch & Swartzle Hardware, Clearfield -----
8122	Baugh's Balanced Plant Food -----	Schrimer Brothers, Erie -----
9791	Baugh's Commercial Crop Compound -----	M. L. Bates, Goldsboro -----
8801	Baugh's Commercial Crop Compound -----	Baugh & Sons Co., Philadelphia -----
8686	Baugh's Commercial Crop Compound -----	Bell Brothers, West Middlesex -----
9534	Baugh's Commercial Crop Compound -----	Belleville Flour Mills, Belleville -----
8146	Baugh's Commercial Crop Compound -----	Dillsburg Grain & Milling Co., Dillsburg -----
9470	Baugh's Commercial Crop Compound -----	Dillsburg Grain & Milling Co., Dillsburg -----
9272	Baugh's Commercial Crop Compound -----	Chas. M. Harter, Wapwallopen -----
9332	Baugh's Commercial Crop Compound -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg -----
9892	Baugh's Commercial Crop Compound -----	M. J. Schill & Co., Marble -----
8007	Baugh's Commercial Crop Compound -----	O. W. Shortledge, Lincoln University -----
9658	Baugh's Commercial Crop Compound -----	O. F. Smith, Leighton -----
8145	Baugh's Complete Animal Base Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
9000	Baugh's Complete Animal Base Fertilizer -----	Edinboro Cooperative Association, Edinboro -----
7800	Baugh's Complete Animal Base Fertilizer -----	Gallagher & Stevieck, Wilkes-Barre -----
7984	Baugh's Complete Animal Base Fertilizer -----	Hoopcs Lumber & Coal Co., Kennett Square -----
9769	Baugh's Complete Animal Base Fertilizer -----	Wm. McClenaban, Center Hall -----
9333	Baugh's Complete Animal Base Fertilizer -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg -----
9310	Baugh's Complete Animal Base Fertilizer -----	W. C. Moore, Millerstown -----
8371	Baugh's Complete Animal Base Fertilizer -----	Peterman Brothers, Muncy -----
9895	Baugh's Complete Animal Base Fertilizer -----	M. J. Schill & Co., Marble -----
9696	Baugh's Complete Animal Base Fertilizer -----	O. W. Shortledge, Lincoln University -----
7726	Baugh's Complete Animal Base Fertilizer -----	O. F. Smith, Leighton -----
7654	Baugh's Complete Animal Base Fertilizer -----	Edw. P. Wargo, Danville -----
9209	Baugh's Corn and Oats Fertilizer, -----	Barnett Brothers, Boswell -----
8144	Baugh's Corn and Oats Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
8775	Baugh's Corn and Oats Fertilizer -----	D. E. Goodenough & Sons, Coudersport -----
8655	Baugh's Corn and Oats Fertilizer -----	Mahoning Supply Co., Mahoningtown -----
8121	Baugh's Corn and Oats Fertilizer -----	Schrimer Brothers, Erie -----
7652	Baugh's Corn and Oats Fertilizer -----	Edw. P. Wargo, Danville -----
7577	Baugh's Double Eagle Phosphate -----	Baugh & Sons Co., Philadelphia -----
9762	Baugh's Double Eagle Phosphate -----	Belleville Flour Mill, Belleville -----
9459	Baugh's Double Eagle Phosphate -----	M. C. Deitz's Sons, Mechanicsburg -----
8148	Baugh's Double Eagle Phosphate -----	Dillsburg Grain & Milling Co., Dillsburg -----
7774	Baugh's Double Eagle Phosphate -----	Farmers Supply Co., Everett -----
9586	Baugh's Double Eagle Phosphate -----	Ralph Fuller, Turbotville -----
8687	Baugh's Double Eagle Phosphate -----	J. M. Hoagland Co., Sharon -----
9715	Baugh's Double Eagle Phosphate -----	H. C. McEwens Hardware, New Bethlehem -----
9433	Baugh's Double Eagle Phosphate -----	Midland Milling & Supply Co., Midland -----
9497	Baugh's Double Eagle Phosphate -----	James Myers & Son, Hughesville -----
8370	Baugh's Double Eagle Phosphate -----	Peterman Brothers, Muncy -----
9542	Baugh's Double Eagle Phosphate -----	Schrimer Brothers, Erie -----
9647	Baugh's Double Eagle Phosphate -----	O. F. Smith, Leighton -----
7650	Baugh's Double Eagle Phosphate -----	Edward P. Wargo, Danville -----
8601	Baugh's Double Power Fertilizer -----	Belleville Flour Mills Co., Belleville -----
9764	Baugh's Double Power Fertilizer -----	Belleville Flour Mills Co., Belleville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.57	3.30	14.25	12.00	13.39	12.00	0.86	-----	4.65	4.00	4.65	-----	37.00	8540
3.51	3.30	13.94	12.00	12.66	12.00	1.28	-----	4.65	4.00	4.65	-----	40.00	8773
3.33	3.30	13.56	12.00	12.70	12.00	0.86	-----	4.40	4.00	4.40	-----	37.00	9243
3.59	3.30	13.25	12.00	12.11	12.00	1.14	-----	4.55	4.00	4.55	-----	40.00	9905
3.33	3.30	12.76	12.00	12.08	12.00	0.68	-----	4.85	4.00	4.85	-----	38.00	8122
1.84	1.65	9.24	8.00	8.58	8.00	0.66	-----	10.43	10.00	10.43	-----	28.95	9791
1.65	1.65	9.82	8.00	9.32	8.00	0.50	-----	10.26	10.00	10.26	-----	-----	8801
1.87	1.65	9.93	8.00	9.13	8.00	0.80	-----	10.46	10.00	10.46	-----	39.00	8686
1.90	1.65	9.54	8.00	8.70	8.00	0.84	-----	10.09	10.00	10.09	-----	33.50	9534
1.77	1.65	9.76	8.00	9.30	8.00	0.46	-----	10.48	10.00	10.48	-----	29.15	8146
1.76	1.65	9.64	8.00	8.84	8.00	0.80	-----	10.23	10.00	10.23	-----	33.70	9470
1.72	1.65	9.20	8.00	8.48	8.00	0.72	-----	10.43	10.00	10.43	-----	33.00	9272
1.74	1.65	9.68	8.00	8.56	8.00	0.82	-----	10.92	10.00	10.92	-----	33.00	9332
1.87	1.65	9.40	8.00	8.52	8.00	0.88	-----	10.90	10.00	10.90	-----	34.50	9892
1.79	1.65	9.01	8.00	8.53	8.00	0.48	-----	9.83	10.00	9.83	-----	34.00	8007
1.77	1.65	9.93	8.00	9.06	8.00	0.92	-----	10.21	10.00	10.21	-----	33.00	9655
1.76	1.65	9.18	8.00	8.54	8.00	0.64	-----	4.92	5.00	4.92	-----	24.15	8145
1.98	1.65	10.29	8.00	9.67	8.00	0.62	-----	5.04	5.00	5.04	-----	29.00	9000
1.73	1.65	9.59	8.00	8.39	8.00	1.20	-----	5.24	5.00	5.24	-----	40.00	7800
1.86	1.65	9.50	8.00	8.76	8.00	0.74	-----	4.95	5.00	4.95	-----	32.00	7984
1.77	1.65	8.81	8.00	8.05	8.00	0.76	-----	5.18	5.00	5.18	-----	28.50	9769
1.75	1.65	9.52	8.00	8.48	8.00	1.04	-----	5.18	5.00	5.18	-----	28.30	9333
1.78	1.65	9.24	8.00	8.40	8.00	0.84	-----	5.03	5.00	5.03	-----	27.00	9310
1.91	1.65	9.71	8.00	8.67	8.00	0.84	-----	5.28	5.00	5.28	-----	30.95	8371
1.80	1.65	9.22	8.00	8.38	8.00	0.84	-----	5.01	5.00	5.01	-----	29.50	9895
1.78	1.65	9.62	8.00	8.90	8.00	0.72	-----	5.08	5.00	5.08	-----	28.00	9699
1.85	1.65	9.32	8.00	8.46	8.00	0.86	-----	5.03	5.00	5.03	-----	23.00	7726
1.72	1.65	8.81	8.00	8.33	8.00	0.48	-----	5.30	5.00	5.30	-----	28.00	7654
1.82	1.65	14.07	12.00	12.89	12.00	1.18	-----	2.16	2.00	2.16	-----	28.00	9209
1.78	1.65	13.92	12.00	13.34	12.00	0.58	-----	2.28	2.00	2.28	-----	24.60	8144
1.80	1.65	13.87	12.00	12.91	12.00	0.96	-----	2.39	2.00	2.39	-----	31.35	8775
1.77	1.65	13.62	12.00	12.84	12.00	0.78	-----	2.04	2.00	2.04	-----	32.00	8655
1.71	1.65	13.74	12.00	13.08	12.00	0.66	-----	2.04	2.00	2.04	-----	29.50	8121
1.78	1.65	13.18	12.00	12.14	12.00	1.04	-----	2.33	2.00	2.33	-----	28.50	7652
1.80	1.65	13.22	12.00	12.28	12.00	0.94	-----	4.33	4.00	4.33	-----	24.70	7577
1.91	1.65	13.06	12.00	12.36	12.00	0.70	-----	4.28	4.00	4.28	-----	30.50	9702
2.43	1.65	13.87	12.00	12.69	12.00	1.18	-----	4.60	4.00	4.60	-----	30.70	9459
1.81	1.65	14.54	12.00	13.84	12.00	0.70	-----	4.02	4.00	4.02	-----	26.55	8148
1.84	1.65	14.08	12.00	12.94	12.00	1.14	-----	4.38	4.00	4.38	-----	34.00	7774
1.73	1.65	13.53	12.00	12.77	12.00	0.76	-----	4.22	4.00	4.22	-----	31.35	9556
1.93	1.65	14.52	12.00	13.56	12.00	0.96	-----	4.42	4.00	4.42	-----	33.00	8687
1.79	1.65	13.67	12.00	12.97	12.00	0.70	-----	4.46	4.00	4.46	-----	36.80	9715
1.77	1.65	13.87	12.00	13.19	12.00	0.68	-----	4.11	4.00	4.11	-----	34.00	9433
1.80	1.65	13.59	12.00	12.79	12.00	0.80	-----	4.19	4.00	4.19	-----	31.95	9497
1.78	1.65	14.43	12.00	13.37	12.00	1.06	-----	4.16	4.00	4.16	-----	33.35	8370
1.96	1.65	13.53	12.00	12.27	12.00	1.26	-----	4.58	4.00	4.58	-----	34.00	9542
1.82	1.65	14.41	12.00	13.17	12.00	1.24	-----	4.44	4.00	4.44	-----	31.00	9647
1.86	1.65	13.56	12.00	12.42	12.00	1.14	-----	4.20	4.00	4.20	-----	30.50	7650
3.52	3.30	17.72	16.00	17.32	16.00	0.40	-----	5.00	4.00	5.00	-----	43.00	8601
3.39	3.30	17.90	16.00	17.32	16.00	0.58	-----	4.21	4.00	4.21	-----	43.00	9764

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7677	Baugh's Double Power Fertilizer -----	Ralph Fuller, Turbotville -----
9771	Baugh's Double Power Fertilizer -----	Wm. McClenahan, Center Hall -----
9232	Baugh's Double Power Fertilizer -----	J. H. McWhirter, Mercer -----
8281	Baugh's Double Power Fertilizer -----	Routh & Swartzle, Clearfield -----
9441	Baugh's Excelsior Guano -----	A. S. Bowser, Kittanning -----
8183	Baugh's Excelsior Guano -----	Briggs Brothers, Mt. Union -----
8569	Baugh's Excelsior Guano -----	Cokley Brothers, Scranton -----
9073	Baugh's Excelsior Guano -----	Cresson Flour & Feed Co., Cresson -----
9596	Baugh's Excelsior Guano -----	A. W. Eves, Millville -----
8960	Baugh's Excelsior Guano -----	Lincoln Brothers, Royersford -----
9713	Baugh's Excelsior Guano -----	H. C. McEwen Hardware, New Bethlehem -----
9309	Baugh's Excelsior Guano -----	W. C. Moore, Millerstown -----
9498	Baugh's Excelsior Guano -----	James Myers & Son, Hughesville -----
9735	Baugh's Excelsior Guano -----	Orr & Grazier, Tyrone -----
7671	Baugh's Excelsior Guano -----	D. R. Rishel, Ottawa -----
9697	Baugh's Excelsior Guano -----	Shortledge Brothers, West Grove -----
8036	Baugh's Excelsior Guano -----	O. F. Smith, Leighton -----
9071	Baugh's Fish, Bone and Potash -----	Cresson Flour & Feed Co., Cresson -----
7949	Baugh's Fish, Bone and Potash -----	W. C. Follmer, Benton -----
9602	Baugh's Fish, Bone and Potash -----	W. C. Follmer, Benton -----
7910	Baugh's Fish, Bone and Potash -----	Thomas K. George, Homer City -----
8005	Baugh's Fish, Bone and Potash -----	Shortledge Brothers, West Grove -----
8999	Baugh's Fish Mixture -----	Edinboro Cooperative Association, Edinboro -----
8525	Baugh's Fish Mixture -----	D. W. Faust & Sons, Chambersburg -----
9271	Baugh's Fish Mixture -----	Chas. M. Harter, Wapwallopen -----
7985	Baugh's Fish Mixture -----	Hoopes Lumber & Coal Co., Kennett Square -----
7655	Baugh's Fish Mixture -----	Edw. P. Wargo, Danville -----
9681	Baugh's Half and Half Mixture with Potash -----	Hoopes Lumber & Coal Co., Kennett Square -----
9716	Baugh's Half and Half Mixture with Potash -----	H. C. McEwen Hardware, New Bethlehem -----
8777	Baugh's Half Century Perfection Brand -----	D. E. Goodnough & Sons, Coudersport -----
9270	Baugh's Half Century Perfection Brand -----	Chas. M. Harter, Wapwallopen -----
7931	Baugh's Half Century Perfection Brand -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg -----
8004	Baugh's Half Century Perfection Brand -----	James L. Pennock, Chatham -----
9282	Baugh's Half Century Perfection Brand -----	Routh & Swartzle, Clearfield -----
8123	Baugh's Half Century Perfection Brand -----	Schrimer Brothers, Erie -----
9717	Baugh's Peruvian Guano Substitute -----	H. C. McEwen Hardware, New Bethlehem -----
7648	Baugh's Peruvian Guano Substitute -----	Edw. P. Wargo, Danville -----
7578	Baugh's Potato and Truck Special -----	Baugh & Sons Co., Philadelphia -----
8802	Baugh's Potato and Truck Special -----	Baugh & Sons Co., Philadelphia -----
8570	Baugh's Potato and Truck Special -----	Cokley Brothers, Scranton -----
8482	Baugh's Potato and Truck Special -----	O. F. Kleckner, New Ringgold -----
10086	Baugh's Potato and Truck Special -----	Millersburg Milling Co., Millersburg -----
7724	Baugh's Potato and Truck Special -----	O. F. Smith, Leighton -----
9072	Baugh's 7% Potato Guano -----	Cresson Flour & Feed Co., Cresson -----
7932	Baugh's 7% Potato Guano -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg -----
8514	Baugh's 7% Potato Guano -----	Arthur Switzgable, Broadheadsville -----
8684	Baugh's Special Potato Manure -----	Bell Brothers, West Middlesex -----
9074	Baugh's Special Potato Manure -----	Edwards Hardware Co., Ebensburg -----
8524	Baugh's Special Potato Manure -----	D. W. Faust & Sons, Chambersburg -----
9118	Baugh's Special Potato Manure -----	J. H. Laird, Wylandville -----
7670	Baugh's Special Potato Manure -----	D. R. Rishel, Ottawa -----
8006	Baugh's Special Potato Manure -----	Shortledge Brothers, West Grove -----
8741	Baugh's The Old Stand-By Dissolved Animal Base -----	Geo. Afton, Brookville -----
9439	Baugh's The Old Stand-By Dissolved Animal Base -----	A. S. Bowser, Kittanning -----
10022	Baugh's The Old Stand-By Dissolved Animal Base -----	Farmers Elevator Co., Mercersburg -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.35	3.30	16.76	16.00	16.14	16.00	0.62	-----	4.27	4.00	4.27	-----	45.00	7677
3.57	3.30	18.48	16.00	17.66	16.00	0.82	-----	4.41	4.00	4.41	-----	41.00	9771
*3.04	3.30	17.64	16.00	17.20	16.00	0.44	-----	*3.63	4.00	3.63	-----	50.00	9232
3.54	3.30	17.56	16.00	16.90	16.00	0.46	-----	4.52	4.00	4.52	-----	44.00	8281
0.97	0.82	10.97	9.00	10.09	9.00	0.88	-----	4.01	4.00	4.01	-----	28.80	9441
1.02	0.82	10.43	9.00	9.95	9.00	0.48	-----	3.89	4.00	3.89	-----	28.00	8183
1.02	0.82	10.55	9.00	9.95	9.00	0.60	-----	4.39	4.00	4.39	-----	35.00	8569
1.12	0.82	10.41	9.00	9.97	9.00	0.44	-----	4.38	4.00	4.38	-----	28.00	9073
0.96	0.82	10.82	9.00	10.12	9.00	0.70	-----	4.51	4.00	4.51	-----	24.00	9596
1.05	0.82	10.77	9.00	10.09	9.00	0.68	-----	4.40	4.00	4.40	-----	28.50	8960
1.19	0.82	10.66	9.00	9.86	9.00	0.80	-----	4.00	4.00	4.00	-----	26.50	9713
1.13	0.82	10.51	9.00	9.95	9.00	0.56	-----	4.21	4.00	4.21	-----	24.00	9309
1.10	0.82	11.10	9.00	10.28	9.00	0.82	-----	4.07	4.00	4.07	-----	25.70	9498
1.13	0.82	10.66	9.00	9.76	9.00	0.90	-----	4.04	4.00	4.04	-----	27.50	9735
0.96	0.82	9.73	9.00	9.07	9.00	0.66	-----	3.91	4.00	3.91	-----	26.60	7671
1.10	0.82	10.79	9.00	9.99	9.00	0.80	-----	3.92	4.00	3.92	-----	25.00	9697
1.01	0.82	10.59	9.00	9.93	9.00	0.66	-----	4.30	4.00	4.30	-----	24.00	8036
3.46	3.30	9.49	8.00	9.03	8.00	0.46	-----	4.24	4.00	4.24	-----	38.00	9071
3.36	3.30	9.50	8.00	8.90	8.00	0.60	-----	4.41	4.00	4.41	-----	36.00	7949
3.30	3.30	10.57	8.00	9.61	8.00	0.96	-----	4.79	4.00	4.79	-----	35.00	9602
3.45	3.30	9.25	8.00	8.47	8.00	0.78	-----	4.12	4.00	4.12	-----	38.00	7910
3.41	3.30	9.77	8.00	9.19	8.00	0.58	-----	4.26	4.00	4.26	-----	33.00	8005
1.75	1.65	11.29	9.00	10.63	9.00	0.66	-----	3.31	3.00	3.31	-----	28.00	8999
1.85	1.65	10.38	9.00	9.92	9.00	0.46	-----	3.67	3.00	3.67	-----	28.80	8525
1.76	1.65	10.13	9.00	9.19	9.00	0.94	-----	3.78	3.00	3.78	-----	26.80	9271
1.79	1.65	11.33	9.00	10.75	9.00	0.58	-----	3.72	3.00	3.72	-----	25.50	7985
1.84	1.65	10.13	9.00	9.23	9.00	0.90	-----	3.03	3.00	3.03	-----	28.00	7655
1.53	1.23	18.67	17.00	14.55	10.00	4.12	7.00	5.39	5.00	5.39	-----	34.00	9681
1.60	1.23	18.45	17.00	14.37	10.00	4.08	7.00	4.88	5.00	4.88	-----	60.00	9716
3.33	3.30	10.00	8.00	9.32	8.00	0.68	-----	7.23	7.00	7.23	-----	39.00	8777
*3.02	3.30	9.34	8.00	8.44	8.00	0.90	-----	7.22	7.00	7.22	-----	36.35	9270
3.71	3.30	9.17	8.00	8.53	8.00	0.64	-----	*6.51	7.00	6.51	-----	36.40	7931
3.22	3.30	9.30	8.00	8.74	8.00	0.56	-----	7.31	7.00	7.31	-----	36.50	8004
3.32	3.30	9.99	8.00	9.19	8.00	0.80	-----	7.22	7.00	7.22	-----	39.00	8282
3.30	3.30	9.43	8.00	8.87	8.00	0.56	-----	7.02	7.00	7.02	-----	37.50	8123
4.17	4.12	9.96	8.00	9.36	8.00	0.60	-----	5.13	5.00	5.13	-----	56.00	9717
4.05	4.12	9.11	8.00	8.41	8.00	0.70	-----	5.54	5.00	5.54	-----	37.50	7648
3.43	3.30	9.16	8.00	8.42	8.00	0.74	-----	6.19	6.00	6.19	-----	29.35	7578
3.42	3.30	9.58	8.00	8.94	8.00	0.64	-----	6.98	6.00	6.98	-----	-----	8802
3.49	3.30	10.13	8.00	9.23	8.00	0.90	-----	6.17	6.00	6.17	-----	48.00	8570
3.30	3.30	9.90	8.00	9.56	8.00	0.34	-----	6.28	6.00	6.28	-----	38.00	8482
3.50	3.30	10.06	8.00	9.44	8.00	0.62	-----	6.97	6.00	6.97	-----	-----	10086
3.59	3.30	9.57	8.00	8.73	8.00	0.84	-----	6.42	6.00	6.42	-----	35.00	7724
*4.95	5.76	8.47	6.00	7.85	6.00	0.62	-----	5.71	5.00	5.71	-----	45.00	9072
5.58	5.76	6.99	6.00	6.45	6.00	0.54	-----	5.06	5.00	5.06	-----	41.95	7932
5.92	5.76	8.05	6.00	7.75	6.00	0.30	-----	5.09	5.00	5.09	-----	45.00	8514
1.93	1.65	9.15	8.00	8.57	8.00	0.58	-----	5.73	5.00	5.73	-----	33.25	8684
1.81	1.65	9.73	8.00	8.93	8.00	0.80	-----	5.29	5.00	5.29	-----	32.00	9074
1.82	1.65	9.86	8.00	9.38	8.00	0.48	-----	5.40	5.00	5.40	-----	28.60	8524
1.79	1.65	9.72	8.00	9.06	8.00	0.66	-----	5.46	5.00	5.46	-----	36.00	9118
1.70	1.65	8.70	8.00	8.06	8.00	0.64	-----	5.00	5.00	5.00	-----	29.95	7670
1.76	1.65	9.29	8.00	8.77	8.00	0.52	-----	5.42	5.00	5.42	-----	27.00	8006
1.79	1.65	13.64	12.00	12.82	12.00	0.82	-----	2.39	2.00	2.39	-----	30.00	8741
1.87	1.65	13.98	12.00	13.08	12.00	0.90	-----	2.26	2.00	2.26	-----	31.20	9439
1.80	1.65	14.04	12.00	12.78	12.00	1.26	-----	2.22	2.00	2.22	-----	-----	10022

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9584	Baugh's The Old Stand-By Dissolved Animal Base -----	D. R. Rishel, Ottawa -----
9657	Baugh's The Old Stand-By Dissolved Animal Base -----	O. F. Smith, Lebighton -----
8332	Baugh's The Old Stand-By Dissolved Animal Base -----	Cbas. Stover, Millbeim -----
9197	Baugh's Three Quarter Century Perfection Brand -----	John G. Emert, Somerset -----
10095	Baugh's Three Quarter Century Perfection Brand -----	West Manheim Farmers Association, Hanover -----
9440	Baugh's Wheat Fertilizer for Wheat and Grass -----	A. S. Bowser, Kittanning -----
10023	Baugh's Wheat Fertilizer for Wheat and Grass -----	Farmers Elevator Co., Mercersburg -----
8338	Baugh's Wheat Fertilizer for Wheat and Grass -----	Wm. McClenahan, Center Hall -----
9770	Baugh's Wheat Fertilizer for Wheat and Grass -----	Wm. McClenaban, Center Hall -----
9734	Baugh's Wheat Fertilizer for Wheat and Grass -----	Orr & Grazier, Tyrone -----
9894	Baugh's Wheat Fertilizer for Wheat and Grass -----	M. J. Schill & Co., Marble -----
9648	Baugh's Wheat Fertilizer for Wheat and Grass -----	O. F. Smith, Lebighton -----
9236	Baughgro -----	Ralpb Fuller, Turbotville -----
7658	Baughgro -----	Edward P. Wargo, Danville -----
W. S. CAPLES & SON, JOHNSTOWN, PA.		
9077	Cambria's Corn and Potato Phosphate -----	Z. L. Brothers, Ebensburg -----
9211	Cambria's Corn and Potato Phosphate -----	W. S. Caples & Son, Johnstown -----
9937	Cambria's Corn and Potato Phosphate -----	W. S. Caples & Son, Johnstown -----
9936	Cambria's Standard Phosphate -----	W. S. Caples & Son, Johnstown -----
CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.		
8244	Carlisle 1-9-4 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9465	Carlisle 1-9-4 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
8245	Carlisle 2-8-5 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9464	Carlisle 2-8-5 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
8248	Carlisle 2-8-10 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9467	Carlisle 2-8-10 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.		
9173	Gro-All Big Thirty 4-10-10 -----	H. M. Mohler, Carrolltown -----
9384	Gro-All Crown Jewel 1-9-4 -----	N. G. Adams, Paxinos -----
9747	Gro-All Crown Jewel 1-9-4 -----	H. C. Beerits Sons, Somerset -----
9061	Gro-All Crown Jewel 1-9-4 -----	Brumbaugh & Niesley, Martinsburg -----
7638	Gro-All Crown Jewel 1-9-4 -----	Central Chemical Company, Milton -----
7780	Gro-All Crown Jewel 1-9-4 -----	Everett Hardware Co., Everett -----
9372	Gro-All Crown Jewel 1-9-4 -----	Everett Hardware Co., Everett -----
9646	Gro-All Crown Jewel 1-9-4 -----	Chas. Goldberg, Leighton -----
8380	Gro-All Crown Jewel 1-9-4 -----	Herman Keebler, Montoursville -----
9175	Gro-All Crown Jewel 1-9-4 -----	G. H. Miller, Sidman -----
10020	Gro-All Crown Jewel 1-9-4 -----	Wolf & Co., Inc., Mercersburg -----
9746	Gro-All Excelsior 2-8-5 -----	H. C. Beerits Sons, Somerset -----
7646	Gro-All Excelsior 2-8-5 -----	Central Chemical Company, Milton -----
9818	Gro-All Excelsior 2-8-5 -----	Central Chemical Company, Milton -----
7730	Gro-All Excelsior 2-8-5 -----	Chas. Goldherg, Leighton -----
9172	Gro-All Excelsior 2-8-5 -----	H. M. Mohler, Carrolltown -----
10015	Gro-All Excelsior 2-8-5 -----	Omwake Brothers, Greencastle -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.82	1.65	13.98	12.00	12.92	12.00	1.06	-----	2.16	2.00	2.16	-----	29.00	9584
1.93	1.65	13.62	12.00	12.44	12.00	1.18	-----	2.16	2.00	2.16	-----	29.00	9657
1.85	1.65	14.54	12.00	13.68	12.00	0.86	-----	2.21	2.00	2.21	-----	-----	8332
2.54	2.47	12.03	10.00	11.19	10.00	0.84	-----	6.17	6.00	6.17	-----	34.75	9197
2.80	2.47	12.11	10.00	11.11	10.00	1.00	-----	6.41	6.00	6.41	-----	31.00	10095
1.85	1.65	10.56	9.00	9.88	9.00	0.68	-----	3.15	3.00	3.15	-----	31.20	9440
1.89	1.65	10.69	9.00	9.87	9.00	0.82	-----	3.06	3.00	3.06	-----	-----	10023
1.83	1.65	10.88	9.00	10.12	9.00	0.76	-----	3.16	3.00	3.16	-----	27.50	8338
1.86	1.65	10.36	9.00	9.70	9.00	0.66	-----	3.46	3.00	3.46	-----	26.75	9770
1.97	1.65	10.40	9.00	9.74	9.00	0.66	-----	3.03	3.00	3.03	-----	33.00	9734
1.87	1.65	10.15	9.00	9.29	9.00	0.86	-----	3.16	3.00	3.16	-----	29.50	9894
1.84	1.65	10.69	9.00	9.81	9.00	0.88	-----	3.09	3.00	3.09	-----	28.00	9648
3.55	3.30	13.70	12.25	13.12	12.00	0.58	0.25	4.29	4.00	-----	4.29	†	9286
3.75	3.30	13.50	12.25	13.00	12.00	0.50	0.25	4.15	4.00	-----	4.15	†	7658
1.66	1.65	12.40	-----	11.18	8.00	1.22	-----	6.29	6.00	6.29	-----	32.00	9077
1.55	1.65	12.41	10.00	11.17	8.00	1.24	2.00	6.13	6.00	6.13	-----	35.00	9211
1.57	1.65	12.77	10.00	10.37	8.00	2.40	2.00	*5.76	6.00	5.76	-----	35.00	9937
1.49	1.65	12.65	10.00	10.17	8.00	2.48	2.00	5.27	4.00	5.27	-----	32.00	9936
1.22	0.82	10.56	9.50	9.78	9.00	0.78	0.50	4.71	4.00	4.71	-----	25.00	8244
1.09	0.82	10.31	10.00	9.71	9.00	0.60	1.00	4.65	4.00	4.65	-----	-----	9465
1.80	1.64	10.03	8.50	9.17	8.00	0.86	0.50	5.83	5.00	5.83	-----	-----	8245
1.72	1.64	9.54	9.00	8.82	8.00	0.72	1.00	5.76	5.00	5.76	-----	-----	9464
1.66	1.64	9.64	8.50	9.34	8.00	0.30	0.50	10.48	10.00	10.48	-----	-----	8248
1.71	1.64	9.30	8.50	8.94	8.00	0.36	0.50	11.81	10.00	11.81	-----	-----	9467
3.59	3.29	18.00	16.50	17.66	16.00	0.34	0.50	10.12	10.00	10.12	-----	-----	9173
0.90	0.82	10.09	9.50	9.59	9.00	0.50	0.50	4.27	4.00	4.27	-----	26.00	9384
0.91	0.82	10.00	9.50	9.10	9.00	0.90	0.50	3.95	4.00	3.95	-----	26.00	9747
0.91	0.82	9.58	9.50	9.06	9.00	0.52	0.50	4.12	4.00	4.12	-----	28.50	9061
0.88	0.82	10.15	9.50	9.19	9.00	0.96	0.50	4.31	4.00	4.31	-----	27.00	7638
0.93	0.82	9.71	9.50	9.33	9.00	0.38	0.50	*3.69	4.00	3.69	-----	28.00	7780
0.88	0.82	10.06	9.50	9.58	9.00	0.48	0.50	4.15	4.00	4.15	-----	28.00	9372
0.98	0.82	9.58	9.50	9.18	9.00	0.40	0.50	4.22	4.00	4.22	-----	23.30	9646
0.89	0.82	11.09	9.50	9.27	9.00	1.82	0.50	4.32	4.00	4.32	-----	27.60	8880
0.83	0.82	9.75	9.50	9.47	9.00	0.28	0.50	4.36	4.00	4.36	-----	31.00	9175
1.02	0.82	10.12	9.50	9.78	9.00	0.34	0.50	4.19	4.00	4.19	-----	25.00	10020
1.75	1.65	8.37	8.50	7.93	8.00	0.44	0.50	5.29	5.00	5.29	-----	28.00	9746
1.65	1.65	9.20	8.50	8.84	8.00	0.36	0.50	*4.40	5.00	4.40	-----	30.50	7646
1.65	1.65	9.04	8.50	8.50	8.00	0.54	0.50	4.98	5.00	4.98	-----	30.00	9818
1.99	1.65	9.04	8.50	8.66	8.00	0.38	0.50	5.64	5.00	5.64	-----	26.15	7730
1.65	1.65	9.11	8.50	8.71	8.00	0.40	0.50	5.27	5.00	5.27	-----	-----	9172
1.74	1.65	9.25	8.50	8.95	8.00	0.30	0.50	5.56	5.00	5.56	-----	-----	10015

*Deficient.

†Sold at the rate of 50 cts. for 5 lbs.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9961	Gro-All Excelsior 2-8-5 -----	M. G. Shucker, McConnellstown -----
9383	Gro-All Fish and Potash Compound 1¼-9-4 -----	N. G. Adams, Paxinos -----
7637	Gro-All Fish and Potash Compound 1¼-9-4 -----	Central Chemical Company, Milton -----
7647	Gro-All Golden Sheaf 3-12-5 -----	Central Chemical Company, Milton -----
8034	Gro-All Golden Sheaf 3-12-5 -----	Charles Goldberg, Leighton -----
9643	Gro-All Golden Sheaf 3-12-5 -----	Charles Goldberg, Leighton -----
8535	Gro-All Golden Sheaf 3-12-5 -----	Omwake Brothers, Greencastle -----
9583	Gro-All Grain and Grass Grower 2-12-2 -----	D. Luther Bogenrief, Mifflinburg -----
9955	Gro-All Grain and Grass Grower 2-12-2 -----	Brumbaugh & Niesley, Martinsburg -----
7643	Gro-All Grain and Grass Grower 2-12-2 -----	Central Chemical Company, Milton -----
7782	Gro-All Grain and Grass Grower 2-12-2 -----	Everett Hardware Co., Everett -----
7727	Gro-All Grain and Grass Grower 2-12-2 -----	Charles Goldberg, Leighton -----
9644	Gro-All Grain and Grass Grower 2-12-2 -----	Charles Goldberg, Leighton -----
9962	Gro-All Grain and Grass Grower 2-12-2 -----	N. G. Shucker, McConnellstown -----
10019	Gro-All Grain and Grass Grower 2-12-2 -----	Wolf & Co., Inc., Mercersburg -----
9385	Gro-All Imperial 2-8-10 -----	N. G. Adams, Paxinos -----
7645	Gro-All Imperial 2-8-10 -----	Central Chemical Company, Milton -----
7729	Gro-All Imperial 2-8-10 -----	Charles Goldberg, Leighton -----
9642	Gro-All Imperial 2-8-10 -----	Charles Goldberg, Leighton -----
8379	Gro-All Imperial 2-8-10 -----	Herman Keebler, Montoursville -----
9171	Gro-All Imperial 2-8-10 -----	H. M. Mohler, Carrolltown -----
9779	Gro-All Imperial 2-8-10 -----	S. H. Orndorf, Woodward -----
9063	Gro-All Potato Special 4-8-7 -----	Brumbaugh & Niesley, Martinsburg -----
7644	Gro-All Potato Special 4-8-7 -----	Central Chemical Company, Milton -----
7784	Gro-All Potato Special 4-8-7 -----	Everett Hardware Co., Everett -----
7728	Gro-All Potato Special 4-8-7 -----	Charles Goldberg, Leighton -----
9174	Gro-All Potato Special 4-8-7 -----	G. H. Miller Sidman -----
8537	Gro-All Potato Special 4-8-7 -----	Omwake Brothers, Greencastle -----
7639	Gro-All Super Fish 2-12-6 -----	Central Chemical Company, Milton -----
9819	Gro-All Super Fish 2-12-6 -----	Central Chemical Company, Milton -----
7783	Gro-All Super Fish 2-12-6 -----	Everett Hardware Co., Everett -----
8033	Gro-All Super Fish 2-12-6 -----	Charles Goldberg, Leighton -----
9645	Gro-All Super Fish 2-12-6 -----	Charles Goldberg, Leighton -----
8534	Gro-All Super Fish 2-12-6 -----	Omwake Brothers, Greencastle -----
8163	Gro-All Super Fish 2-12-6 -----	C. W. Shaffer, Hyndman -----
9751	Gro-All Super Fish 2-12-6 -----	Somerset County Fertilizer Works, Inc., Meyersdale -----
10017	Gro-All Super Fish 2-12-6 -----	Strickler & Gillan, Greencastle -----
7641	Gro-All Top Dresser with Potash 7-8-3 -----	Central Chemical Company, Milton -----
9275	Gro-All Truck and Potato Special 5-8-5 -----	A. W. Kenyon, Carbondale -----
COOPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.		
8516	G. L. F. Approved Fertilizers 2-8-10 -----	Henry A. Christman, Kunkletown -----
8839	G. L. F. Approved Fertilizers 2-8-10 -----	Ross & Post, Summersville -----
8135	G. L. F. Approved Fertilizers 2-8-10 -----	Union City Cooperative Association, Union City -----
8515	G. L. F. Approved Fertilizers 2-12-4 -----	Henry A. Christman, Kunkletown -----
7957	G. L. F. Approved Fertilizers 2-12-4 -----	H. B. Low & Son, Orangeville -----
8842	G. L. F. Approved Fertilizers 2-12-4 -----	Ross & Post, New Milford -----
9031	G. L. F. Approved Fertilizers 2-12-4 -----	Smith Brothers, Bradford -----
8137	G. L. F. Approved Fertilizers 2-12-4 -----	Union City Cooperative Association, Union City -----
8517	G. L. F. Approved Fertilizers 4-8-7 -----	Henry A. Christman, Kunkletown -----
8992	G. L. F. Approved Fertilizers 4-8-7 -----	Freehold Cooperative Association, Lottsville -----
9029	G. L. F. Approved Fertilizers 4-8-7 -----	Smith Brothers, Bradford -----
8840	G. L. F. Approved Fertilizers 4-12-4 -----	Ross & Post, New Milford -----
8136	G. L. F. Approved Fertilizers 4-12-4 -----	Union City Cooperative Association, Union City -----
8841	G. L. F. Approved Fertilizers 5-10-5 -----	Ross & Post, New Milford -----
9032	G. L. F. Approved Fertilizers 5-10-5 -----	Smith Brothers, Bradford -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.69	1.65	8.93	8.50	8.67	8.00	0.26	0.50	5.12	5.00	5.12	-----	31.55	9961
1.24	1.03	10.55	9.50	10.05	9.00	0.50	0.50	4.25	4.00	4.25	-----	38.00	9383
1.17	1.03	10.04	9.50	9.60	9.00	0.44	0.50	4.22	4.00	4.22	-----	30.00	7637
2.30	2.47	13.50	12.50	12.38	12.00	1.12	0.50	5.25	5.00	5.25	-----	39.50	7647
2.47	2.47	13.10	12.50	12.56	12.00	0.54	0.50	5.83	5.00	5.83	-----	35.10	8094
2.60	2.47	13.96	12.50	13.52	12.00	0.44	0.50	5.15	5.00	5.15	-----	34.85	9643
2.61	2.47	14.59	12.50	14.21	12.00	0.38	0.50	*4.33	5.00	4.33	-----	85.50	
1.93	1.65	13.46	12.50	12.62	12.00	0.84	0.50	2.08	2.00	2.08	-----	30.75	9583
1.87	1.65	12.95	12.50	12.25	12.00	0.70	0.50	2.83	2.00	2.83	-----	33.50	9955
1.71	1.65	12.68	12.50	12.16	12.00	0.52	0.50	2.58	2.00	2.58	-----	31.00	7643
1.75	1.65	12.39	12.50	12.19	12.00	0.20	0.50	2.43	2.00	2.43	-----	32.00	7782
1.72	1.65	12.45	12.50	12.15	12.00	0.30	0.50	2.81	2.00	2.81	-----	27.20	7727
1.79	1.65	14.22	12.50	13.70	12.00	0.52	0.50	2.54	2.00	2.54	-----	27.55	9644
1.88	1.65	12.74	12.50	12.44	12.00	0.30	0.50	3.46	2.00	3.46	-----	32.00	9962
1.72	1.65	13.99	12.50	12.99	12.00	1.00	0.50	2.00	2.00	2.00	-----	27.00	10019
1.69	1.65	9.98	8.50	9.44	8.00	0.54	0.50	10.63	10.00	10.63	-----	34.00	9385
1.66	1.65	8.93	8.50	8.63	8.00	0.30	0.50	10.41	10.00	10.41	-----	35.50	7645
1.68	1.65	8.80	8.50	8.52	8.00	0.28	0.50	10.46	10.00	10.46	-----	31.75	7729
1.85	1.65	9.89	8.50	9.35	8.00	0.54	0.50	10.06	10.00	10.06	-----	31.55	9642
1.65	1.65	9.66	8.50	9.32	8.00	0.34	0.50	10.09	10.00	10.09	-----	36.00	8379
1.68	1.65	9.34	8.50	9.04	8.00	0.30	0.50	10.48	10.00	10.48	-----		9171
1.75	1.65	9.75	8.50	9.29	8.00	0.46	0.50	*8.52	10.00	8.52	-----		9779
3.29	3.29	9.27	8.50	8.55	8.00	0.72	0.50	7.27	7.00	7.27	-----	42.00	9063
3.38	3.29	9.31	8.50	8.85	8.00	0.46	0.50	6.81	7.00	6.81	-----	39.00	7644
3.16	3.29	8.58	8.50	8.20	8.00	0.38	0.50	7.13	7.00	7.13	-----	42.00	7784
3.26	3.29	9.04	8.50	8.54	8.00	0.50	0.50	7.03	7.00	7.03	-----	35.15	7728
3.29	3.29	8.33	8.50	8.01	8.00	0.32	0.50	7.83	7.00	7.83	-----	42.00	9174
3.33	3.29	9.17	8.50	8.97	8.00	0.20	0.50	7.79	7.00	7.79	-----		8537
1.67	1.65	13.30	12.50	12.42	12.00	0.88	0.50	6.16	6.00	6.16	-----	38.00	7639
1.88	1.65	13.34	12.50	12.76	12.00	0.58	0.50	6.27	6.00	6.27	-----	38.00	9819
1.72	1.65	12.63	12.50	12.01	12.00	0.62	0.50	*5.50	6.00	5.50	-----	40.00	7783
*0.75	1.65	13.16	12.50	12.60	12.00	0.56	0.50	5.09	5.00	5.09	-----	34.10	8033
1.59	1.65	13.85	12.50	13.25	12.00	0.60	0.50	6.65	6.00	6.65	-----	33.85	9645
1.74	1.65	13.96	12.50	13.60	12.00	0.36	0.50	6.40	6.00	6.40	-----		8534
1.53	1.65	15.01	12.50	14.31	12.00	0.70	0.50	*4.16	6.00	4.16	-----	36.20	8163
1.66	1.65	14.14	12.50	12.78	12.00	1.36	0.50	6.13	6.00	6.13	-----	36.00	9751
1.82	1.65	13.67	12.50	12.79	12.00	0.88	0.50	6.73	6.00	6.73	-----	35.00	10017
5.73	5.76	8.90	8.50	8.74	8.00	0.16	0.50	3.28	3.00	3.28	-----	45.00	7641
4.00	4.10	9.48	8.50	8.94	8.00	0.54	0.50	5.04	5.00	5.04	-----	42.00	9275
1.67	1.64	9.71	8.50	9.21	8.00	0.50	0.50	10.15	10.00	10.15	-----	30.20	8516
1.68	1.64	9.38	8.50	8.86	8.00	0.52	0.50	10.53	10.00	10.53	-----	33.50	8839
1.65	1.64	9.36	8.50	8.76	8.00	0.60	0.50	*9.73	10.00	9.73	-----	34.00	8135
1.65	1.64	13.76	12.50	13.10	12.00	0.66	0.50	4.28	4.00	4.28	-----	29.10	8515
1.51	1.64	12.73	12.50	12.33	12.00	0.40	0.50	4.62	4.00	4.62	-----	31.05	7957
1.67	1.64	13.29	12.50	12.75	12.00	0.54	0.50	4.72	4.00	4.72	-----	32.50	8842
1.75	1.64	13.85	12.50	13.27	12.00	0.58	0.50	4.07	4.00	4.07	-----	35.00	9031
1.69	1.64	14.27	12.50	12.31	12.00	1.96	0.50	4.09	4.00	4.09	-----	31.50	8137
3.29	3.28	9.43	8.50	9.01	8.00	0.42	0.50	7.26	7.00	7.26	-----	33.20	8517
3.33	3.28	8.99	8.50	8.63	8.00	0.36	0.50	7.02	7.00	7.02	-----	35.00	8992
3.39	3.28	9.18	8.50	8.94	8.00	0.24	0.50	7.15	7.00	7.15	-----	37.00	9029
3.30	3.29	12.96	12.50	12.70	12.00	0.26	0.50	4.40	4.00	4.40	-----	37.25	8840
3.37	3.29	13.36	12.50	12.86	12.00	0.50	0.50	4.37	4.00	4.37	-----	37.25	8136
4.18	4.11	11.53	10.50	10.85	10.00	0.68	0.50	5.33	4.00	5.33	-----	42.00	8841
*3.78	4.11	12.91	10.50	11.79	10.00	1.12	0.50	4.97	5.00	4.97	-----	47.00	9032

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8991	G. L. F. Approved Fertilizers 5-10-5 --	Boyd Spencer, Corry -----
9033	G. L. F. Approved Fertilizers 10-10-10 --	Smith Brothers, Bradford -----
	THE DUNCAN FERTILIZER CO., DOYLESTOWN, PA.	
9239	Crop Grower -----	The Dungan Fertilizers Co., Doylestown ----
9240	Farmers' Favorite -----	The Dungan Fertilizers Co., Doylestown ----
9238	Pebble Hill Animal Mixture -----	The Dungan Fertilizers Co., Doylestown ----
	EASTERN STATES FARMERS' EXCHANGE, SPRINGFIELD, MASS.	
8297	Eastern States Open Formula 4-12-4 --	F. W. Harris, East Waterford -----
	AMOS EBY & CO., LEAMAN PLACE, PA.	
7618	Eby Pequea Ammoniated -----	Amos Eby & Co., Leaman Place -----
9678	Eby Pequea Economy -----	Amos Eby & Co., Leaman Place -----
7616	Eby Pequea High Grade -----	Amos Eby & Co., Leaman Place -----
7619	Eby Pequea Special Potato -----	Amos Eby & Co., Leaman Place -----
9680	Eby Pequea Special Potato -----	Amos Eby & Co., Leaman Place -----
9679	Eby Pequea Valley Fertilizer -----	Amos Eby & Co., Leaman Place -----
	ERIE REDUCTION CO., ERIE, PA.	
9002	Erie Plant Food -----	Mark F. Briggs & Son, Waterford -----
9003	Erie Potato and Truck Special -----	Mark F. Briggs & Son, Waterford -----
	FARMERS FERTILIZER AND FEED CO., WESTMINSTER, MD.	
9039	Potato Grower Fertilizer -----	C. E. Gobrecht, Hanover -----
10099	Potato Grower Fertilizer -----	C. E. Gobrecht, Hanover -----
9040	XXX Fertilizer -----	C. E. Gobrecht, Hanover -----
10098	XXX Fertilizer -----	C. E. Gobrecht, Hanover -----
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.	
8602	Farmers' 3-12-5 -----	Belleville Flour Mills Co., Belleville -----
7598	Farmers' 3-12-5 -----	Farmers Fertilizer Works, Elizabethtown ----
9390	Farmers' 3-12-5 -----	Farmers Fertilizer Works, Elizabethtown ----
7974	Farmers' Best Yet -----	N. G. Adams, Paxinos -----
7603	Farmers' Best Yet -----	Farmers Fertilizer Works, Elizabethtown ----
9386	Farmers' Best Yet -----	Farmers Fertilizer Works, Elizabethtown ----
9618	Farmers' Best Yet -----	Howard S. Hartman, Hamburg -----
9388	Farmers' Club -----	Farmers Fertilizer Works, Elizabethtown ----
7600	Farmers' Gilt Edge Potato and Truck -----	Farmers Fertilizer Works, Elizabethtown ----
8609	Farmers' Gilt Edge Potato and Truck -----	W. O. Rearick, Milroy -----
7973	Farmers' Golden Sheaf -----	N. G. Adams, Paxinos -----
10050	Farmers' Golden Sheaf -----	W. L. Burd & Co., Swengle -----
7601	Farmers' Golden Sheaf -----	Farmers Fertilizer Works, Elizabethtown ----
9619	Farmers' Golden Sheaf -----	Howard S. Hartman, Hamburg -----
9318	Farmers' Golden Sheaf -----	B. F. Horting, Newport -----
8610	Farmers' Golden Sheaf -----	W. O. Rearick, Milroy -----
8600	Farmers' I. X. L., -----	Belleville Flour Mills Co., Belleville -----
7602	Farmers' I. X. L., -----	Farmers Fertilizer Works, Elizabethtown ----
9316	Farmers' I. X. L., -----	I. B. Secrist, Millerstown -----
7597	Farmers' Tobacco Special -----	Farmers Fertilizer Works, Elizabethtown ----
10053	Grain and Grass Special -----	W. L. Burd & Co., Swengle -----
7599	Grain and Grass Special -----	Farmers Fertilizer Works, Elizabethtown ----
9308	Grain and Grass Special -----	E. S. Miller, Paxtonia -----
8599	Pride of Donegal -----	Belleville Flour Mills Co., Belleville -----
9763	Pride of Donegal -----	Belleville Flour Mills Co., Belleville -----
10052	Pride of Donegal -----	W. L. Burd & Co., Swengle -----
7604	Pride of Donegal -----	Farmers Fertilizer Works, Elizabethtown ----
9319	Pride of Donegal -----	B. F. Horting, Newport -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.96	4.11	11.41	10.50	10.79	10.00	0.62	0.50	4.84	5.00	4.84	-----	40.85	8991
*6.75	8.22	11.54	10.50	11.04	10.00	0.50	0.50	*8.68	10.00	8.68	-----	60.00	9033
1.68	1.60	10.65	9.00	8.53	8.00	2.12	1.00	10.37	10.00	10.37	-----	32.00	9239
1.50	1.60	10.27	9.00	8.45	8.00	1.82	1.00	5.98	5.00	5.98	-----	23.00	9240
3.03	3.20	11.82	9.00	9.56	8.00	2.26	1.00	*5.58	6.00	5.58	-----	35.00	9238
4.40	4.00	13.50	12.50	13.02	12.00	0.48	0.50	4.37	4.00	4.37	-----	42.00	8297
1.01	0.82	12.05	12.00	11.31	10.00	0.74	2.00	3.35	3.00	3.35	-----	24.50	7618
1.87	1.64	10.26	11.00	9.92	9.00	0.34	2.00	3.83	3.00	3.83	-----	27.50	9678
3.24	3.28	7.74	8.00	7.10	6.00	0.64	2.00	5.38	5.00	3.50	1.88	37.25	7616
2.60	2.46	8.95	10.00	8.03	8.00	0.92	2.00	7.85	7.00	7.85	-----	34.50	7619
*2.21	2.46	10.45	10.00	10.07	8.00	0.38	2.00	8.41	7.00	8.41	-----	34.50	9680
1.96	1.64	9.89	10.00	9.49	8.00	0.40	2.00	*9.04	10.00	9.04	-----	31.50	9679
*3.04	3.29	13.18	12.50	12.82	12.00	0.36	0.50	4.07	4.00	4.07	-----	37.95	9002
1.65	1.65	8.44	8.50	8.20	8.00	0.24	0.50	10.95	10.00	10.95	-----	34.15	9003
1.91	1.64	10.13	9.00	9.37	8.00	0.76	1.00	4.92	5.00	4.92	-----	26.00	9039
1.72	1.64	9.27	9.00	8.77	8.00	0.50	1.00	5.51	5.00	5.51	-----	26.00	10099
1.06	0.82	11.15	10.00	10.23	9.00	0.92	1.00	4.46	4.00	4.46	-----	23.00	9040
1.08	0.82	10.18	10.00	9.46	9.00	0.72	1.00	4.69	4.00	4.69	-----	23.00	10098
2.69	2.46	13.67	12.00	13.29	12.00	0.38	-----	5.80	5.00	5.80	-----	38.00	8602
2.75	2.46	12.72	12.00	12.22	12.00	0.50	-----	5.41	5.00	5.41	-----	33.00	7598
2.44	2.46	13.44	12.00	13.06	12.00	0.38	-----	5.10	5.00	5.10	-----	-----	9390
1.70	1.64	9.17	8.50	9.05	8.00	0.12	0.50	10.88	10.00	10.88	-----	34.00	7974
1.71	1.64	8.80	8.50	8.52	8.00	0.28	0.50	10.15	10.00	10.15	-----	32.00	7603
1.71	1.64	9.10	8.50	8.82	8.00	0.28	0.50	10.19	10.00	10.19	-----	-----	9356
1.78	1.64	9.38	8.50	9.16	8.00	0.22	0.50	11.18	10.00	11.18	-----	34.00	9618
2.39	2.46	9.54	9.00	9.32	8.00	0.22	1.00	5.75	5.00	5.75	-----	-----	9388
3.33	3.28	10.75	8.50	9.81	8.00	0.94	0.50	7.34	7.00	7.34	-----	35.00	7600
3.43	3.28	11.21	8.50	10.61	8.00	0.60	0.50	7.44	7.00	7.44	-----	35.00	8609
1.70	1.64	9.50	8.50	9.40	8.00	0.10	0.50	5.55	5.00	5.55	-----	30.00	7973
1.81	1.64	8.88	8.50	8.68	8.00	0.20	0.50	5.50	5.00	5.50	-----	27.00	10050
1.82	1.64	9.15	8.50	8.83	8.00	0.32	0.50	5.33	5.00	5.33	-----	27.00	7601
1.76	1.64	9.20	8.50	9.04	8.00	0.16	0.50	5.68	5.00	5.68	-----	29.60	9619
1.87	1.64	9.63	8.50	9.37	8.00	0.26	0.50	5.23	5.00	5.23	-----	26.99	9318
1.78	1.64	9.59	8.50	9.47	8.00	0.12	0.50	5.53	5.00	5.53	-----	27.00	8610
1.80	1.64	13.48	12.00	13.34	12.00	0.14	-----	4.73	4.00	4.73	-----	36.00	8600
1.78	1.64	13.14	12.00	12.74	12.00	0.40	-----	4.79	4.00	4.79	-----	29.00	7602
1.86	1.64	13.84	12.00	13.46	12.00	0.38	-----	4.57	4.00	4.57	-----	29.00	9316
4.12	4.10	8.42	5.00	6.82	4.00	1.60	1.00	5.41	5.00	-----	5.41	43.00	7597
1.05	0.82	10.31	9.50	10.01	9.00	0.30	0.50	4.17	4.00	4.17	-----	24.45	10033
1.08	0.82	10.29	9.50	9.95	9.00	0.34	0.50	4.31	4.00	4.31	-----	24.00	7599
0.97	0.82	11.00	9.50	10.58	9.00	0.42	0.50	4.70	4.00	4.70	-----	24.50	9308
1.78	1.64	10.46	9.50	10.30	9.00	0.16	0.50	3.58	3.00	3.58	-----	-----	8599
1.77	1.64	10.00	9.50	9.80	9.00	0.20	0.50	4.05	3.00	4.05	-----	27.50	9763
1.81	1.64	10.23	9.50	9.67	9.00	0.56	0.50	3.67	3.00	3.67	-----	26.45	10052
1.86	1.64	9.93	9.50	9.63	9.00	0.30	0.50	3.45	3.00	3.45	-----	26.50	7604
1.74	1.64	10.12	9.50	9.54	9.00	0.58	0.50	3.77	3.00	3.77	-----	25.65	9319

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9387	Special Potato and Truck Manure ---- FARMERS SUPPLY CO., EVERETT, PA.	Farmers Fertilizer Works, Elizabethtown ----
9377	Tecumseh Potato Chief -----	Farmers Supply Co., McConnellsburg -----
9375	Tecumseh Red Chief -----	Farmers Supply Co., McConnellsburg -----
	W. C. FOLLMER, BENTON, PA.	
7952	2-10-4 Phosphate -----	W. C. Follmer, Benton -----
9604	2-10-4 Phosphate -----	W. C. Follmer, Benton -----
	JOSEPH R. GAWTHROP, KENNETT SQUARE, PA.	
7987	Ammoniated Special Phosphate for Corn, Oats and Wheat -----	Joseph R. Gawthrop, Kennett Square -----
9684	Ammoniated Special Phosphate for Corn, Oats and Wheat -----	Joseph R. Gawthrop, Kennett Square -----
9683	Champion Fertilizer for Wheat and Grass -----	Joseph R. Gawthrop, Kennett Square -----
7986	Special Potato Phosphate -----	Joseph R. Gawthrop, Kennett Square -----
9682	Sure Crop Phosphate -----	Joseph R. Gawthrop, Kennett Square -----
	THE GRASSELLI CHEMICAL CO., CLEVELAND, OHIO	
8575	Grasselli Odorless Plant Food -----	S. S. Kresge Co., Scranton -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
7809	Griffith & Boyd Co.'s Double Strength Tobacco Grower -----	J. N. Baker, Allenwood -----
8967	Griffith & Boyd Co.'s Double Strength Tobacco Grower -----	W. Lovett Leigh, Tullytown -----
8436	Griffith & Boyd Co.'s Extra Strength Guano -----	O. O. Meyer, Yatesboro -----
9099	Griffith & Boyd Co.'s Farmers Potato Manure -----	Dayton Milling Co., Dayton -----
7976	Griffith & Boyd Co.'s Farmers Potato Manure -----	Neil H. Miller, Paxinos -----
9381	Griffith & Boyd Co.'s Farmers Potato Manure -----	Neil H. Miller, Paxinos -----
8008	Griffith & Boyd Co.'s Farmers Potato Manure -----	O. W. Shortledge, Lincoln University -----
8723	Griffith & Boyd Co.'s Farmers Potato Manure -----	Stultz Brothers, Hollidaysburg -----
9793	Griffith & Boyd Co.'s Farmers Potato Manure -----	G. A. Wolf & Sons, Mt. Wolf -----
7684	Griffith & Boyd Co.'s Fish and Potash Guano -----	R. S. Blain, Turbotville -----
9588	Griffith & Boyd Co.'s Fish and Potash Guano -----	R. S. Blain, Turbotville -----
9851	Griffith & Boyd Co.'s Fish and Potash Guano -----	J. E. Callahan & Sons, Montoursville -----
8547	Griffith & Boyd Co.'s Fish and Potash Guano -----	Mercersburg Grain Co., Mercersburg -----
10026	Griffith & Boyd Co.'s Fish and Potash Guano -----	Mercersburg Grain Co., Mercersburg -----
8381	Griffith & Boyd Co.'s Fish and Potash Guano -----	O. W. Shortledge, Lincoln University -----
8345	Griffith & Boyd Co.'s Fish and Potash Guano -----	Harry Smith, Bellefonte -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.43	3.28	7.49	6.50	7.29	6.00	0.20	0.50	10.26	10.00	10.26	-----	-----	9387
3.29	3.39	9.22	8.50	8.04	8.00	1.18	0.50	*3.91	7.00	3.91	-----	42.00	9377
0.85	0.82	10.97	9.50	9.87	9.00	1.10	0.50	4.83	4.00	4.83	-----	28.00	9375
1.79	1.65	10.63	10.50	10.29	10.00	0.34	0.50	5.50	4.00	5.50	-----	30.00	7952
1.68	1.65	14.21	10.50	11.49	10.00	2.72	0.50	4.39	4.00	4.39	-----	29.00	9604
1.88	1.20	12.26	10.00	12.08	10.00	0.18	-----	3.96	2.50	3.96	-----	34.00	7987
2.31	1.20	11.45	10.00	11.05	10.00	0.40	-----	4.69	2.50	4.69	-----	36.00	9684
1.72	1.60	12.92	9.00	11.38	9.00	1.54	-----	3.51	3.00	3.51	-----	39.00	9683
1.54	0.80	9.38	9.00	9.14	9.00	0.24	-----	5.53	4.00	5.53	-----	34.00	7986
1.16	0.80	15.05	12.00	14.51	12.00	0.54	-----	1.82	1.00	1.82	-----	30.00	9682
4.12	4.12	16.24	15.00	15.42	13.00	0.82	2.00	5.19	4.00	5.19	-----	†	8575
2.40	2.47	10.01	10.00	9.47	9.00	0.54	1.00	3.66	3.00	-----	3.66	31.30	7809
2.56	2.47	10.33	10.00	9.87	9.00	0.46	1.00	4.41	3.00	-----	4.41	35.50	8967
*3.00	3.29	16.35	16.50	16.17	16.00	0.18	0.50	3.88	4.00	3.88	-----	42.50	8436
1.06	0.82	8.85	9.00	8.53	8.00	0.32	1.00	6.40	6.00	6.40	-----	27.00	9099
0.85	0.82	8.80	9.00	8.70	8.00	0.10	1.00	5.84	6.00	5.84	-----	31.00	7976
0.90	0.82	9.04	9.00	8.64	8.00	0.40	1.00	6.60	6.00	6.60	-----	30.00	9381
0.87	0.82	9.18	9.00	9.08	8.00	0.10	1.00	*5.68	6.00	5.68	-----	27.00	8008
0.89	0.82	8.85	9.00	8.59	8.00	0.26	1.00	6.41	6.00	6.41	-----	32.00	8723
0.95	0.82	8.61	9.00	8.39	8.00	0.22	1.00	6.90	6.00	6.90	-----	27.50	9793
1.66	1.44	10.66	11.00	10.22	10.00	0.44	1.00	4.05	3.00	4.05	-----	28.00	7684
1.46	1.44	11.01	11.00	10.63	10.00	0.38	1.00	2.83	3.00	2.83	-----	29.00	9588
1.47	1.44	10.40	11.00	10.04	10.00	0.36	1.00	4.26	3.00	4.26	-----	31.00	9851
1.53	1.44	11.77	11.00	11.57	10.00	0.20	1.00	3.19	3.00	3.19	-----	29.20	8547
1.48	1.44	10.73	11.00	10.59	10.00	0.14	1.00	3.10	3.00	3.10	-----	28.80	10026
1.59	1.44	11.00	11.00	10.56	10.00	0.44	1.00	3.95	3.00	3.95	-----	27.00	8381
1.66	1.44	10.74	11.00	10.60	10.00	0.14	1.00	3.45	3.00	3.45	-----	-----	8345

*Deficient.

†Sold at the rate of 10 cts. for 1 lb.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8724	Griffith & Boyd Co.'s Fish and Potash Guano -----	Stultz Brothers, Hollidaysburg -----
9740	Griffith & Boyd Co.'s Fish and Potash Guano -----	Stultz Brothers, Hollidaysburg -----
8456	Griffith & Boyd Co.'s Fish, Blood and Potash -----	E. C. Herrick, Cambridge Springs -----
9148	Griffith & Boyd Co.'s Fish, Blood and Potash -----	Hoburg Brothers, Etna -----
9919	Griffith & Boyd Co.'s Fish, Blood and Potash -----	Hoburg Brothers, Etna -----
9322	Griffith & Boyd Co.'s Fish, Blood and Potash -----	Houck & Cherrington, Catawissa -----
7977	Griffith & Boyd Co.'s Fish, Blood and Potash -----	Neil H. Miller, Paxinos -----
9107	Griffith & Boyd Co.'s Fish, Blood and Potash -----	W. M. Templeton & Sons, Houston -----
10157	Griffith & Boyd Co.'s Fish, Blood and Potash -----	W. M. Templeton & Sons, Houston -----
10127	Griffith & Boyd Co.'s Fish, Blood and Potash -----	Wm. E. Wells, Parker Ford -----
7810	Griffith & Boyd Co.'s General Crop Grower -----	J. N. Baker, Allenwood -----
8549	Griffith & Boyd Co.'s General Crop Grower -----	Mercersburg Grain & Supply Co., Mercersburg -----
8049	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	Howard E. Degler, Shartlesville -----
9147	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	Hoburg Brothers, Etna -----
9321	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	Houck & Cherrington, Catawissa -----
8966	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	W. Lovett Leigh, Tullytown -----
9004	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	Mead & Bannister, North East -----
10126	Griffith & Boyd Co.'s Gilt Edge Crop Guano -----	Wm. E. Wells, Parker Ford -----
9005	Griffith & Boyd Co.'s Grape Special -----	Mead & Bannister, North East -----
9841	Griffith & Boyd Co.'s Growers Favorite -----	H. L. Wertman, Montgomery -----
8471	Griffith & Boyd Co.'s High Grade Economizer -----	Houck & Cherrington, Catawissa -----
9320	Griffith & Boyd Co.'s High Grade Economizer -----	Houck & Cherrington, Catawissa -----
10081	Griffith & Boyd Co.'s High Grade Economizer -----	A. O. Lessig, Leechburg -----
10024	Griffith & Boyd Co.'s High Grade Economizer -----	Mercersburg Milling Co., Mercersburg -----
9509	Griffith & Boyd Co.'s High Grade Economizer -----	H. L. Wertman, Montgomery -----
8366	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	J. S. Artley, Muncy -----
9589	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	R. S. Blaine, Turbotville -----
8668	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	Harmony Cereal Mills, Harmony -----
8457	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	E. C. Herrick, Cambridge Springs -----
10025	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	Mercersburg Grain Co., Mercersburg -----
9508	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture -----	H. L. Wertman, Montgomery -----
9850	Griffith & Boyd Co.'s High Grade Truck Guano -----	J. E. Callahan & Sons, Montoursville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.69	1.44	10.79	11.00	10.49	10.00	0.30	1.00	3.49	3.00	3.49	-----	32.00	8724
1.51	1.44	10.46	11.00	10.20	10.00	0.26	1.00	3.06	3.00	3.06	-----	34.50	9740
1.51	1.44	11.91	11.25	11.71	10.25	0.20	1.00	2.57	2.00	2.57	-----	31.00	8456
1.60	1.44	11.60	11.25	11.12	10.25	0.48	1.00	2.69	2.00	2.69	-----	32.00	9148
1.66	1.44	11.10	11.25	10.78	10.25	0.32	1.00	2.62	2.00	2.62	-----	29.50	9919
1.55	1.44	11.06	11.25	10.72	10.25	0.34	1.00	2.51	2.00	2.51	-----	27.50	9322
1.45	1.44	11.37	11.25	11.17	10.25	0.20	1.00	2.34	2.00	2.34	-----	31.00	7977
1.66	1.44	11.76	11.25	11.26	10.25	0.50	1.00	2.36	2.00	2.36	-----	29.00	9107
1.45	1.44	11.16	11.25	10.66	10.25	0.50	1.00	2.42	2.00	2.42	-----	31.75	10157
1.53	1.44	10.87	11.25	10.31	10.25	0.56	1.00	2.29	2.00	2.29	-----	27.00	10127
1.70	1.65	9.54	10.00	9.20	9.00	0.34	1.00	3.28	3.00	3.28	-----	26.80	7810
1.94	1.65	10.69	10.00	10.59	9.00	0.10	1.00	3.63	3.00	3.63	-----	29.20	8549
1.55	1.65	8.29	9.00	8.07	8.00	0.22	1.00	10.35	10.00	10.35	-----	-----	8049
1.61	1.65	9.34	9.00	9.10	8.00	0.24	1.00	10.45	10.00	10.45	-----	38.00	9147
1.66	1.65	9.24	9.00	8.84	8.00	0.46	1.00	*9.41	10.00	9.41	-----	32.50	9321
1.87	1.65	8.65	9.00	8.03	8.00	0.62	1.00	11.38	10.00	11.38	-----	37.00	8966
1.98	1.65	9.30	9.00	8.96	8.00	0.34	1.00	10.05	10.00	10.05	-----	32.00	9004
1.66	1.65	8.55	9.00	7.97	8.00	0.58	1.00	10.70	10.00	10.70	-----	32.00	10126
*3.76	4.11	9.22	9.00	9.06	8.00	0.16	1.00	8.47	8.00	8.47	-----	39.00	9005
*2.76	3.29	9.69	9.00	9.15	8.00	0.54	1.00	4.12	4.00	4.12	-----	-----	5841
1.65	1.65	13.15	13.00	12.83	12.00	0.32	1.00	5.28	5.00	5.28	-----	31.50	8471
1.78	1.65	13.55	13.00	13.01	12.00	0.54	1.00	5.06	5.00	5.06	-----	31.50	9320
1.76	1.65	13.41	13.00	12.97	12.00	0.44	1.00	5.14	5.00	5.14	-----	35.00	10081
1.75	1.65	13.42	13.00	12.62	12.00	0.80	1.00	5.02	5.00	5.02	-----	32.90	10024
1.74	1.65	13.38	13.00	12.88	12.00	0.50	1.00	5.04	5.00	5.04	-----	25.00	9509
1.66	1.65	12.97	13.00	12.37	12.00	0.60	1.00	8.23	8.00	8.23	-----	38.00	8366
1.55	1.65	13.29	13.00	12.73	12.00	0.56	1.00	*7.57	8.00	7.57	-----	35.50	9589
1.71	1.65	12.96	13.00	12.46	12.00	0.50	1.00	8.53	8.00	8.53	-----	33.00	8668
1.69	1.65	13.06	13.00	12.74	12.00	0.32	1.00	7.81	8.00	7.81	-----	39.00	8457
1.65	1.65	13.19	13.00	12.67	12.00	0.52	1.00	8.06	8.00	8.06	-----	36.90	10025
1.58	1.65	13.22	13.00	12.76	12.00	0.46	1.00	8.41	8.00	8.41	-----	35.30	9508
3.97	4.11	8.56	9.00	8.34	8.00	0.22	1.00	8.53	7.00	8.53	-----	45.00	9850

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8470	Griffith & Boyd Co.'s High Grade Truck Guano -----	Houck & Cherrington, Catawissa -----
9146	Griffith & Boyd Co.'s Nitro Crop Feeder -----	Hoburg Brothers, Etna -----
7975	Griffith & Boyd Co.'s Nitro Crop Feeder -----	Neil H. Miller, Paxinos -----
9928	Griffith & Boyd Co.'s Peerless Fertilizer -----	Adams & Cunningham, Imperial -----
8363	Griffith & Boyd Co.'s Peerless Fertilizer -----	J. S. Artley, Muncy -----
7813	Griffith & Boyd Co.'s Peerless Fertilizer -----	J. N. Baker, Allenwood -----
8317	Griffith & Boyd Co.'s Peerless Fertilizer -----	I. M. Jamison, McAllisterville -----
8438	Griffith & Boyd Co.'s Peerless Fertilizer -----	O. O. Meyer, Yatesboro -----
9382	Griffith & Boyd Co.'s Peerless Fertilizer -----	N. H. Miller, Paxinos -----
10158	Griffith & Boyd Co.'s Peerless Fertilizer -----	W. M. Templeton & Sons, Houston -----
8365	Griffith & Boyd Co.'s Royal Potash Guano -----	J. S. Artley, Muncy -----
9591	Griffith & Boyd Co.'s Royal Potash Guano -----	R. S. Blaine, Turbotville -----
8050	Griffith & Boyd Co.'s Royal Potash Guano -----	Howard E. Degler, Shartlesville -----
8670	Griffith & Boyd Co.'s Royal Potash Guano -----	Harmony Cereal Mills, Harmony -----
8344	Griffith & Boyd Co.'s Royal Potash Guano -----	Harry Smith, Bellefonte -----
9966	Griffith & Boyd Co.'s Royal Potash Guano -----	Harry Smith, Bellefonte -----
9940	Griffith & Boyd Co.'s Royal Potash Guano -----	A. F. Stutzman & Son, Johnstown -----
9840	Griffith & Boyd Co.'s Royal Potash Guano -----	H. L. Wertman, Montgomery -----
9792	Griffith & Boyd Co.'s Royal Potash Guano -----	G. A. Wolf & Sons, Mount Wolf -----
7814	Griffith & Boyd Co.'s Special Guano -----	J. N. Baker, Allenwood -----
9590	Griffith & Boyd Co.'s Special Guano -----	R. S. Blaine, Turbotville -----
8052	Griffith & Boyd Co.'s Special Guano -----	Howard E. Degler, Shartlesville -----
8669	Griffith & Boyd Co.'s Special Guano -----	Harmony Cereal Mills, Harmony -----
8548	Griffith & Boyd Co.'s Special Guano -----	Mercersburg Grain & Supply Co., Mercersburg -----
8439	Griffith & Boyd Co.'s Special Guano -----	O. O. Meyer, Yatesboro -----
9905	Griffith & Boyd Co.'s Special Guano -----	C. W. Reed, Reynoldsville -----
9842	Griffith & Boyd Co.'s Special Guano -----	H. L. Wertman, Montgomery -----
9794	Griffith & Boyd Co.'s Special Guano -----	G. A. Wolf & Sons, Mount Wolf -----
8472	Griffith & Boyd Co.'s Special Potato Guano -----	Houck & Cherrington, Catawissa -----
9006	Griffith & Boyd Co.'s Special Potato Guano -----	Mead & Bannister, North East -----
8725	Griffith & Boyd Co.'s Special Potato Guano -----	Stultz Brothers, Hollidaysburg -----
8460	Griffith & Boyd Co.'s Spring Crop Grower -----	E. C. Herrick, Cambridge Springs -----
8434	Griffith & Boyd Co.'s Spring Crop Grower -----	O. O. Meyer, Yatesboro -----
	M. P. HUBBARD & COMPANY, INC., BALTIMORE, MD.	
8388	Hubbard's Sterling Phosphate 4-8-7 -----	Mackay & Yerkes, Oxford -----
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
9405	Hubbard's Complete Fertilizer 2-12-2 -----	Clinton County Cooperative Association, Lock Haven -----
7860	Hubbard's Complete Fertilizer 2-12-2 -----	E. H. Peck, Nittany -----
8313	Hubbard's Complete Fertilizer 2-12-2 -----	J. W. Seiber, McAllisterville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
*3.87	4.11	9.72	9.00	9.58	8.00	0.14	1.00	6.85	7.00	6.85	-----	42.00	8470
*5.49	6.58	5.70	4.50	5.61	4.00	0.09	0.50	3.26	2.00	3.26	-----	-----	9146
*6.15	6.58	6.56	4.50	6.20	4.00	0.36	0.50	2.17	2.00	2.17	-----	48.00	7975
0.98	0.82	11.42	11.00	10.98	10.00	0.44	1.00	3.03	3.00	3.03	-----	26.10	9928
1.00	0.82	11.30	11.00	11.08	10.00	0.22	1.00	3.09	3.00	3.09	-----	28.00	8363
1.02	0.82	10.61	11.00	10.45	10.00	0.16	1.00	3.23	3.00	3.23	-----	24.40	7813
1.01	0.82	10.28	11.00	10.04	10.00	0.24	1.00	3.65	3.00	3.65	-----	24.40	8317
0.98	0.82	11.41	11.00	11.31	10.00	0.10	1.00	3.27	3.00	3.27	-----	26.60	8438
0.93	0.82	10.82	11.00	10.42	10.00	0.40	1.00	3.33	3.00	3.33	-----	28.00	9382
0.95	0.82	10.57	11.00	10.15	10.00	0.42	1.00	3.38	3.00	3.38	-----	29.00	10158
0.92	0.82	10.33	10.00	10.07	9.00	0.26	1.00	*3.75	4.00	3.75	-----	28.00	8365
0.93	0.82	9.86	10.00	9.74	9.00	0.12	1.00	4.24	4.00	4.24	-----	25.00	9591
0.96	0.82	9.30	10.00	9.04	9.00	0.26	1.00	4.14	4.00	4.14	-----	-----	8050
1.05	0.82	9.72	10.00	9.34	9.00	0.38	1.00	4.14	4.00	4.14	-----	28.00	8670
0.98	0.82	10.04	10.00	9.94	9.00	0.10	1.00	4.00	4.00	4.00	-----	-----	8344
0.99	0.82	9.52	10.00	9.24	9.00	0.28	1.00	4.29	4.00	4.29	-----	22.55	9966
0.91	0.82	9.55	10.00	9.11	9.00	0.44	1.00	4.26	4.00	4.26	-----	32.00	9940
0.99	0.82	9.89	10.00	9.61	9.00	0.28	1.00	3.97	4.00	3.97	-----	-----	9840
1.02	0.82	9.72	10.00	9.36	9.00	0.36	1.00	4.05	4.00	4.05	-----	26.00	9792
1.74	1.65	8.41	9.00	8.17	8.00	0.24	1.00	5.11	5.00	5.11	-----	27.95	7814
1.61	1.65	8.97	9.00	8.63	8.00	0.34	1.00	4.88	5.00	4.88	-----	28.00	9590
1.88	1.65	9.61	9.00	9.43	8.00	0.18	1.00	*4.61	5.00	4.61	-----	-----	8052
1.80	1.65	10.04	9.00	9.64	8.00	0.40	1.00	4.88	5.00	4.88	-----	33.00	8669
1.72	1.65	9.03	9.00	8.87	8.00	0.16	1.00	5.31	5.00	5.31	-----	29.40	8548
1.82	1.65	9.44	9.00	9.32	8.00	0.12	1.00	5.22	5.00	5.22	-----	30.15	8439
1.68	1.65	8.57	9.00	8.05	8.00	0.52	1.00	5.47	5.00	5.47	-----	29.00	9905
1.71	1.65	8.32	9.00	8.20	8.00	0.12	1.00	5.25	5.00	5.25	-----	26.10	9842
1.70	1.65	8.89	9.00	8.51	8.00	0.38	1.00	5.43	5.00	5.43	-----	29.50	9794
3.12	3.29	9.67	9.00	9.55	8.00	0.12	1.00	6.03	6.00	6.03	-----	35.50	8472
3.22	3.29	9.29	9.00	9.01	8.00	0.28	1.00	6.26	6.00	6.26	-----	34.40	9006
3.48	3.29	8.60	9.00	8.50	8.00	0.10	1.00	6.92	6.00	6.92	-----	39.00	8725
2.08	2.05	9.77	9.00	9.63	8.00	0.14	1.00	3.96	4.00	3.96	-----	32.50	8460
2.09	2.05	9.34	9.00	9.20	8.00	0.14	1.00	4.00	4.00	4.00	-----	31.00	8434
3.30	3.29	9.18	8.50	8.76	8.00	0.42	0.50	*6.69	7.00	6.69	-----	37.00	8388
1.95	1.65	12.40	12.50	*11.78	12.00	0.62	0.50	3.06	2.00	3.06	-----	26.90	9405
1.86	1.65	12.83	12.50	12.71	12.00	0.12	0.50	2.15	2.00	2.15	-----	28.00	7860
1.80	1.65	12.85	12.50	12.19	12.00	0.66	0.50	2.27	2.00	2.27	-----	-----	8313

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
10131	Hubbard's Complete Fertilizer 2-12-2	Star Milling Co., Clymer
8916	Hubbard's Complete Fertilizer 2-12-2	W. J. Turner, Clarksville
8335	Hubbard's Farmers IXL 2-9-3	Bradford & Co., Center Hall
9490	Hubbard's Farmers IXL 2-9-3	McConnell Brothers, Hughesville
10087	Hubbard's Farmers IXL 2-9-3	Millersburg Milling Co., Millersburg
9545	Hubbard's Jersey Trucker 2-8-10	Cochranon Milling Co., Cochranon
8732	Hubbard's Jersey Trucker 2-8-10	Dairy Products Co., Clearfield
8578	Hubbard's Jersey Trucker 2-8-10	J. T. Kephart & Son, Phillipsburg
10030	Hubbard's Jersey Trucker 2-8-10	Lemasters Elevator Co., Lemasters
9491	Hubbard's Jersey Trucker 2-8-10	McConnell Brothers, Hughesville
8987	Hubbard's Jersey Trucker 2-8-10	Nickle Plate Flour Mills, Erie
7847	Hubbard's Jersey Trucker 2-8-10	Geo. W. Shirk, Lock Haven
7902	Hubbard's Jersey Trucker 2-8-10	Star Milling Co., Clymer
9922	Hubbard's Jersey Trucker 2-8-10	R. J. Toepfer, Tarantum
9404	Hubbard's Money Maker Fertilizer 2-8-5	Clinton County Cooperative Association, Lock Haven
9546	Hubbard's Money Maker Fertilizer 2-8-5	Cochranon Milling Co., Cochranon
8730	Hubbard's Money Maker Fertilizer 2-8-5	Dairy Products Co., Clearfield
8580	Hubbard's Money Maker Fertilizer 2-8-5	J. T. Kephart & Son, Phillipsburg
9227	Hubbard's Money Maker Fertilizer 2-8-5	King & Company, Grove City
8107	Hubbard's Money Maker Fertilizer 2-8-5	Oil City Milling Co., Oil City
7862	Hubbard's Money Maker Fertilizer 2-8-5	E. H. Peck, Nittany
9923	Hubbard's Money Maker Fertilizer 2-8-5	R. J. Toepfer, Tarantum
8731	Hubbard's Potato Fertilizer 4-8-7	Dairy Products Co., Clearfield
8312	Hubbard's Potato Fertilizer 4-8-7	J. W. Seiber, McAllisterville
7844	Hubbard's Potato Fertilizer 4-8-7	Geo. W. Shirk, Lock Haven
8957	Hubbard's Special Brand Fertilizer 4-12-4	Billing & Kelder, New Albany
8109	Hubbard's Special Brand Fertilizer 4-12-4	Oil City Milling Co., Oil City
10036	Hubbard's 1-9-4 Fertilizer	W. H. Fogelsanger, Shippensburg
8182	Hubbard's 1-9-4 Fertilizer	H. E. Huston, Sattilo
8737	Hubbard's 1-9-4 Fertilizer	Kline Flour Mills Co., Brookville
7850	Hubbard's 1-9-4 Fertilizer	E. H. Peck, Nittany
9921	Hubbard's 1-9-4 Fertilizer	R. J. Toepfer, Tarantum
8985	Hubbard's 2-10-6 Fertilizer	C. L. Allen, Powell
9401	Hubbard's 2-12-4 Fertilizer	Clinton County Cooperative Association, Lock Haven
8342	Hubbard's 2-12-4 Fertilizer	J. J. Markle, State College
10088	Hubbard's 2-12-4 Fertilizer	Millersburg Milling Co., Millersburg
8106	Hubbard's 2-12-4 Fertilizer	Oil City Milling Co., Oil City
7840	Hubbard's 2-12-4 Fertilizer	Geo. W. Shirk, Lock Haven
9543	Hubbard's 2-12-6 Fertilizer	Cochranon Milling Co., Cochranon
8621	Hubbard's 2-12-6 Fertilizer	Petersburg Milling Co., Bessemer
8917	Hubbard's 2-12-6 Fertilizer	W. J. Turner, Clarksville
9402	Hubbard's 4-16-4 Fertilizer	Clinton County Cooperative Association, Lock Haven
7843	Hubbard's 4-16-4 Fertilizer	Geo. W. Shirk, Lock Haven
8579	Hubbard's 5-8-5 Fertilizer	J. T. Kephart & Son, Phillipsburg
INDEPENDENT MANUFACTURING CO., PHILADELPHIA, PA.		
8409	Independent's Consumer Fertilizers 2-8-5	Independent Manufacturing Co., Philadelphia
8968	Independent's Consumer Fertilizers 2-8-5	Paoli Coal & Supply Co., Paoli
9881	Independent's Consumer Fertilizers 2-8-5	Robert Whittaker, Bowmanstown
9879	Independent's Consumer Fertilizers 2-8-10	Robert Whittaker, Bowmanstown
8410	Independent's Consumer Fertilizers 2-12-6	Independent Manufacturing Co., Philadelphia
9880	Independent's Consumer Fertilizers 2-12-6	Robert Whittaker, Bowmanstown
8551	Independent's Consumer Fertilizers 4-8-7	Independent Manufacturing Co., Philadelphia
8809	Independent's Matchless Market Gardener 5-8-7	Independent Manufacturing Co., Philadelphia

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.65	1.65	13.14	12.50	12.22	12.00	0.92	0.50	2.33	2.00	2.33	-----	31.50	10131
1.86	1.65	13.10	12.50	12.04	12.00	0.46	0.50	2.31	2.00	2.31	-----	30.10	8916
1.89	1.65	10.49	9.50	10.35	9.00	0.14	0.50	3.24	3.00	3.24	-----	25.00	8335
1.72	1.65	10.47	9.50	9.93	9.00	0.54	0.50	3.16	3.00	3.16	-----	27.95	9490
1.82	1.65	9.90	9.50	9.30	9.00	0.60	0.50	3.31	3.00	3.31	-----	-----	10087
1.77	1.65	9.26	8.50	8.66	8.00	0.60	0.50	10.26	10.00	10.26	-----	34.45	9545
1.52	1.65	10.32	8.50	9.98	8.00	0.34	0.50	*8.17	10.00	8.17	-----	37.25	8732
1.81	1.65	9.27	8.50	8.99	8.00	0.28	0.50	10.74	10.00	10.74	-----	-----	8578
1.70	1.65	9.31	8.50	8.85	8.00	0.46	0.50	10.28	10.00	10.28	-----	32.50	10030
1.76	1.65	9.16	8.50	8.44	8.00	0.72	0.50	*9.72	10.00	9.72	-----	33.70	9491
1.96	1.65	9.43	8.50	8.93	8.00	0.50	0.50	9.94	10.00	9.94	-----	33.00	8987
1.82	1.65	9.06	8.50	8.90	8.00	0.16	0.50	*9.41	10.00	9.41	-----	31.00	7847
1.84	1.65	9.06	8.50	8.76	8.00	0.30	0.50	10.00	10.00	10.00	-----	36.00	7902
1.82	1.65	8.56	8.50	8.24	8.00	0.32	0.50	10.78	10.00	10.78	-----	34.45	9922
1.67	1.65	8.78	8.50	8.44	8.00	0.34	0.50	5.47	5.00	5.47	-----	26.50	9404
1.73	1.65	9.26	8.50	8.94	8.00	0.32	0.50	5.05	5.00	5.05	-----	29.55	9546
1.78	1.65	9.36	8.50	8.82	8.00	0.54	0.50	5.16	5.00	5.16	-----	31.50	8730
1.73	1.65	9.12	8.50	8.88	8.00	0.24	0.50	5.79	5.00	5.79	-----	-----	8580
1.85	1.65	8.97	8.50	8.63	8.00	0.34	0.50	5.10	5.00	5.10	-----	29.27	9227
1.77	1.65	9.03	8.50	8.83	8.00	0.20	0.50	5.03	5.00	5.03	-----	29.65	8107
1.70	1.65	9.02	8.50	8.70	8.00	0.32	0.50	6.34	5.00	6.34	-----	28.00	7862
1.91	1.65	8.87	8.50	8.37	8.00	0.50	0.50	5.54	5.00	5.54	-----	29.55	9923
3.38	3.29	9.54	8.50	9.06	8.00	0.48	0.50	6.95	7.00	6.95	-----	40.75	8731
3.23	3.29	8.61	8.50	8.11	8.00	0.50	0.50	7.54	7.00	7.54	-----	-----	8312
3.12	3.29	8.70	8.50	8.54	8.00	0.16	0.50	7.11	7.00	7.11	-----	34.45	7844
*3.09	3.29	13.36	12.50	12.88	12.00	0.48	0.50	*3.76	4.00	3.76	-----	37.00	8957
3.14	3.29	12.90	12.50	12.54	12.00	0.36	0.50	4.34	4.00	4.34	-----	38.45	8109
1.07	0.82	9.83	9.50	9.11	9.00	0.72	0.50	4.48	4.00	4.48	-----	23.00	10036
0.90	0.82	10.32	9.50	9.78	9.00	0.54	0.50	4.15	4.00	4.15	-----	-----	8182
0.99	0.82	10.18	9.50	9.86	9.00	0.32	0.50	4.00	4.00	4.00	-----	27.00	8737
1.71	0.82	9.24	9.50	9.06	9.00	0.18	0.50	9.69	4.00	9.69	-----	25.00	7859
1.01	0.82	9.57	9.50	9.11	9.00	0.46	0.50	4.64	4.00	4.64	-----	26.30	9921
1.81	1.65	11.06	10.50	10.54	10.00	0.52	0.50	6.37	6.00	6.37	-----	28.00	8985
1.71	1.65	12.88	12.50	12.34	12.00	0.54	0.50	4.49	4.00	4.49	-----	28.70	9401
1.91	1.65	13.14	12.50	12.96	12.00	0.18	0.50	4.40	4.00	4.40	-----	-----	8342
1.94	1.65	12.92	12.50	12.26	12.00	0.66	0.50	4.11	4.00	4.11	-----	-----	10088
1.99	1.65	13.04	12.50	12.74	12.00	0.30	0.50	*3.74	4.00	3.74	-----	32.05	8106
1.86	1.65	12.72	12.50	12.42	12.00	0.30	0.50	4.22	4.00	4.22	-----	28.90	7840
1.66	1.65	12.48	12.50	12.08	12.00	0.40	0.50	5.94	6.00	5.94	-----	33.95	9543
1.95	1.65	13.28	12.50	12.92	12.00	0.36	0.50	6.32	6.00	6.32	-----	31.00	8621
2.60	1.65	12.78	12.50	12.12	12.00	0.66	0.50	*5.39	6.00	5.39	-----	34.65	8017
3.29	3.29	17.22	16.50	16.86	16.00	0.36	0.50	4.32	4.00	4.32	-----	39.00	9402
*2.84	3.29	16.77	16.50	16.51	16.00	0.26	0.50	4.76	4.00	4.76	-----	39.00	7843
4.35	4.11	8.99	8.50	8.81	8.00	0.18	0.50	5.28	5.00	5.28	-----	-----	8579
1.67	1.64	9.26	8.00	8.82	8.00	0.44	-----	5.28	5.00	5.28	-----	24.75	8409
1.77	1.64	9.29	8.00	8.89	8.00	0.40	-----	5.12	5.00	5.12	-----	28.00	8968
1.99	1.64	9.55	8.00	8.83	8.00	0.72	-----	*4.68	5.00	4.68	-----	-----	9581
1.67	1.64	9.03	8.00	8.73	8.00	0.30	-----	9.97	10.00	9.97	-----	-----	9879
1.69	1.64	13.78	12.00	13.14	12.00	0.64	-----	6.46	6.00	6.46	-----	28.50	8410
2.07	1.64	13.53	12.00	13.15	12.00	0.38	-----	6.63	6.00	6.63	-----	-----	9880
3.30	3.29	9.95	8.00	9.71	8.00	0.24	-----	7.05	7.00	7.05	-----	31.50	8551
4.16	4.12	9.50	8.00	9.30	8.00	0.20	-----	7.47	7.00	7.47	-----	40.00	8809

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9989	Independent's Special Wheat Fertilizer 2-12-3	Clemon A. Smith, Nescopeck -----
8407	Independent's Standard Brand 4-8-5 Fertilizer -----	Joseph Jackson, Kelton -----
8810	Independent's Standard Brand 5-8-5 Fertilizer -----	Independent Manufacturing Co., Philadelphia
8807	Independent's Standard Brand 10-6-2 Fertilizer -----	Independent Manufacturing Co., Philadelphia
8808	Independent's Wonder Worker 7-6-5	Independent Manufacturing Co., Philadelphia
8961	Independent's 2-10-6 Fertilizer -----	Henry C. Snowden, Jr., Inc., Media -----
8811	Smith's Mum Manure -----	Independent Manufacturing Co., Philadelphia
INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.		
8125	International Garden Truck 4-8-7	B. Corwin, Pleasantville -----
9226	International Garden Truck 4-8-7	Snyder & McConnell, Grove City -----
8118	International Ideal 2-8-5 -----	J. B. Blakely & Co., Harrisville -----
10076	International Ideal 2-8-5 -----	Farmers Exchange, Sandy Lake -----
8690	International Ideal 2-8-5 -----	T. S. Moreland, Jamestown -----
9910	International Ideal 2-8-5 -----	W. G. Spencer, Clearfield -----
10077	International Supreme 2-8-10 -----	Farmers Exchange, Sandy Lake -----
8120	International Tip Top 1-9-4 -----	J. B. Blakely & Co., Harrisville -----
10075	International Tip Top 1-9-4 -----	Farmers Exchange, Sandy Lake -----
8689	International Tip Top 1-9-4 -----	T. S. Moreland, Jamestown -----
9909	International Tip Top 1-9-4 -----	W. G. Spencer, Clearfield -----
THE JARECKI CHEMICAL CO., SANDUSKY, OHIO		
8585	Jarecki's Potato Grower -----	Ed. Hess, Philipshurg -----
8132	Jarecki's 1-9-4 Fertilizer -----	J. L. Alcorn, Titusville -----
9665	Jarecki's 1-9-4 Fertilizer -----	W. W. Shoemaker, Walnutport -----
8129	Jarecki's 2-8-10 Fertilizer -----	J. L. Alcorn, Titusville -----
10129	Jarecki's 4-16-4 Fertilizer -----	Farmers Exchange, Indiana -----
8584	Jarecki's 4-16-4 Fertilizer -----	Ed. Hess, Philipshurg -----
8506	Jarecki's 4-16-10 Fertilizer -----	W. W. Shoemaker, Walnutport -----
8133	Jarecki's 4-16-20 Fertilizer -----	J. L. Alcorn, Titusville -----
KEYSTONE BONE FERTILIZER CO., PHILADELPHIA, PA.		
8763	Royal Corn and Potato Manure Revised	Alfred Bayer, Lenhartsville -----
9652	Royal Corn and Potato Manure Revised	Titus Merkle, Shoemakersville -----
9299	Royal Corn and Potato Manure Revised	Paul B. Yoder, Palmyra -----
8762	Superior Superphosphate and Potash	Alfred Bayer, Lenhartsville -----
9983	Truck and Corn Manure -----	Keystone Bone Fertilizer Co., Philadelphia -----
10055	Truck and Corn Manure -----	Fred S. Nester, New Ringgold -----
9300	Twentieth Century Special -----	Paul B. Yoder, Palmyra -----
KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.		
8996	Granger's Choice -----	Cochranton Cooperative Association, Cochran- ton -----
7891	Granger's Choice -----	Keystone Grange Exchange, Inc., Harrisburg
8682	Granger's Choice -----	Norman McHattie, New Galilee -----
10062	Granger's Choice -----	Norman McHattie, New Galilee -----
7889	Granger's Climax -----	Keystone Grange Exchange, Inc., Harrisburg
9871	Granger's Climax -----	S. M. Schacffer, Bernville -----
10061	Granger's Pep -----	Norman McHattie, New Galilee -----
8953	Granger's Pep -----	Howard Yonkin, Dushore -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
2.08	1.64	15.41	12.00	13.09	12.00	2.32	-----	3.62	3.00	3.02	-----	30.65	9989
3.29	3.29	9.50	8.00	9.26	8.00	0.24	-----	5.92	5.00	5.92	-----	34.00	8407
4.02	4.12	7.43	8.00	*6.87	8.00	0.56	-----	5.93	5.00	5.93	-----	40.00	8810
8.09	8.20	7.78	6.00	7.60	6.00	0.18	-----	3.56	2.00	3.56	-----	50.00	8807
6.19	5.74	9.39	6.00	9.23	6.00	0.16	-----	6.22	5.00	6.22	-----	45.00	8808
1.93	1.64	12.58	10.00	12.16	10.00	0.42	-----	6.69	6.00	6.69	-----	-----	8961
5.38	4.92	13.04	5.00	11.56	5.00	1.48	-----	5.61	4.00	5.61	-----	60.00	8811
*3.09	3.30	8.73	8.50	8.41	8.00	0.32	0.50	7.14	7.00	7.14	-----	51.00	8125
*1.84	3.30	9.86	8.50	8.90	8.00	0.96	0.50	*5.30	7.00	5.30	-----	41.00	9226
1.68	1.65	8.62	8.50	8.34	8.00	0.28	0.50	5.40	5.00	4.70	0.70	32.00	8118
1.72	1.65	9.46	8.50	8.64	8.00	0.82	0.50	5.27	5.00	5.27	-----	32.00	10076
1.74	1.65	10.01	8.50	9.11	8.00	0.90	0.50	6.49	5.00	6.49	-----	32.90	8690
1.78	1.65	9.46	8.50	8.36	8.00	1.10	0.50	5.07	5.00	5.07	-----	31.00	9910
1.65	1.65	9.38	8.50	8.80	8.00	0.58	0.50	11.47	10.00	11.47	-----	35.50	10077
0.86	0.82	9.80	9.50	9.30	9.00	0.50	0.50	4.23	4.00	4.23	-----	29.25	8120
0.99	0.82	10.36	9.50	9.34	9.00	1.02	0.50	4.21	4.00	4.21	-----	27.00	10075
1.02	0.82	10.82	9.50	10.10	9.00	0.72	0.50	4.22	4.00	4.22	-----	29.00	8639
0.99	0.82	10.45	9.50	9.03	9.00	1.42	0.50	4.19	4.00	4.19	-----	27.50	9909
3.44	3.29	9.17	8.50	9.05	8.00	0.12	0.50	7.38	7.00	7.38	-----	37.00	8585
0.94	0.82	9.61	9.50	9.51	9.00	0.10	0.50	4.59	4.00	4.59	-----	30.00	8132
0.95	0.82	10.09	9.50	9.91	9.00	0.18	0.50	4.01	4.00	4.01	-----	-----	9665
1.55	1.65	7.97	8.50	7.85	8.00	0.12	0.50	10.43	10.00	10.43	-----	39.00	8129
3.26	3.29	16.66	16.50	16.26	16.00	0.40	0.50	4.21	4.00	4.21	-----	45.00	10129
3.21	3.29	17.54	16.50	17.44	16.00	0.10	0.50	4.07	4.00	4.07	-----	42.00	8584
*3.03	3.29	16.98	16.50	16.64	16.00	0.34	0.50	10.13	10.00	10.13	-----	48.60	8506
3.12	3.29	16.01	16.50	*15.39	16.00	0.62	0.50	21.40	20.00	20.70	0.70	65.75	8133
1.55	1.64	9.89	9.00	9.61	8.00	0.28	1.00	5.22	5.00	5.22	-----	29.00	8763
1.62	1.64	9.76	9.00	9.42	8.00	0.34	1.00	5.22	5.00	5.22	-----	27.15	9652
1.71	1.64	10.12	9.00	9.44	8.00	0.68	1.00	5.15	5.00	5.15	-----	30.00	9299
0.97	0.82	10.01	9.00	9.57	8.00	0.44	1.00	6.57	6.00	6.57	-----	26.00	8762
1.78	1.64	9.15	9.00	8.91	8.00	0.22	1.00	11.37	10.00	11.37	-----	32.78	9933
1.76	1.64	9.43	9.00	8.91	8.00	0.52	1.00	11.41	10.00	11.41	-----	33.00	10055
1.73	1.64	11.97	11.00	11.23	10.00	0.74	1.00	6.40	6.00	6.40	-----	-----	9300
1.80	1.65	14.12	12.50	13.32	12.00	0.80	0.50	2.15	2.00	2.15	-----	29.50	8996
1.92	1.65	13.51	12.50	12.67	12.00	0.84	0.50	2.43	2.00	2.43	-----	28.50	7891
1.95	1.65	14.06	12.50	13.14	12.00	0.92	0.50	2.21	2.00	2.21	-----	-----	8682
2.03	1.65	13.13	12.50	12.13	12.00	1.00	0.50	2.78	2.00	2.78	-----	28.50	10062
1.78	1.65	9.38	8.50	8.76	8.00	0.62	0.50	10.08	10.00	10.08	-----	32.70	7889
1.78	1.65	9.04	8.50	8.38	8.00	0.66	0.50	10.85	10.00	10.85	-----	-----	9871
2.72	2.47	13.39	12.50	12.09	12.00	1.30	0.50	3.76	3.00	3.76	-----	33.00	10061
3.36	2.47	13.80	12.50	13.34	12.00	0.46	0.50	3.94	3.00	3.94	-----	31.40	8953

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8462	Granger's Potato -----	Cochran-ton Cooperative Association, Cochranton -----
7888	Granger's Potato -----	Keystone Grange Exchange, Inc., Harrisburg -----
8952	Granger's Potato -----	Howard Yonkin, Dushore -----
8463	Granger's Prize -----	Cochran-ton Cooperative Association, Cochranton -----
7890	Granger's Prize -----	Keystone Grange Exchange, Inc., Harrisburg -----
9870	Granger's Prize -----	S. M. Schaeffer, Bernville -----
8742	Granger's Prize -----	D. L. White, Brookville -----
9854	Granger's Prize -----	Howard Yonkin, Dushore -----
8683	Granger's Tip Top -----	Norman McHattie, New Galilee -----
9872	Granger's Tip Top -----	S. M. Schaeffer, Bernville -----
8746	Granger's Tip Top -----	Mark N. Witmer, Dalmatia -----
KOLLER FERTILIZER COMPANY, YORK, PA.		
8875	Koller's Ammoniated Phosphate -----	Koller Fertilizer Co., Seitzland -----
10089	Koller's Ammoniated Phosphate -----	Koller Fertilizer Co., Seitzland -----
8876	Koller's Corn Special Phosphate -----	Koller Fertilizer Co., Seitzland -----
9252	Koller's Corn Special Phosphate -----	Koller Fertilizer Co., Seitzland -----
8872	Koller's Keystone Potato Phosphate -----	Koller Fertilizer Co., Seitzland -----
8878	Koller's Lion Brand Fertilizer -----	Koller Fertilizer Co., Seitzland -----
9250	Koller's Lion Brand Fertilizer -----	Koller Fertilizer Co., Seitzland -----
9703	Koller's Lion Brand Fertilizer -----	Koller Fertilizer Co., Seitzland -----
10092	Koller's Lion Brand Fertilizer -----	Koller Fertilizer Co., Seitzland -----
8874	Koller's Potato Grower Phosphate -----	Koller Fertilizer Co., Seitzland -----
10090	Koller's Potato Grower Phosphate -----	Koller Fertilizer Co., Seitzland -----
8877	Koller's Producer Phosphate -----	Koller Fertilizer Co., Seitzland -----
9253	Koller's Producer Phosphate -----	Koller Fertilizer Co., Seitzland -----
9704	Koller's Producer Phosphate -----	Koller Fertilizer Co., Seitzland -----
10094	Koller's Producer Phosphate -----	Koller Fertilizer Co., Seitzland -----
8873	Koller's Super Ammoniated Phosphate -----	Koller Fertilizer Co., Seitzland -----
10091	Koller's Super Ammoniated Phosphate -----	Koller Fertilizer Co., Seitzland -----
9248	Koller's Super Ammoniated Phosphate -----	Harry Wilson, Frazer -----
8880	Koller's Truck Special Phosphate -----	Koller Fertilizer Co., Seitzland -----
9251	Koller's Truck Special Phosphate -----	Koller Fertilizer Co., Seitzland -----
LANCASTER BONE FERTILIZER CO., INC., QUARRYVILLE, PA.		
7694	Conestoga Brand Farmers Favorite -----	O. D. Kennedy, Elmsport -----
7608	Conestoga Brand Farmers Favorite -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9429	Conestoga Brand Farmers Favorite -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9869	Conestoga Brand Farmers Favorite -----	Wm. H. Meek, Hamburg -----
9339	Conestoga Brand Farmers Favorite -----	E. T. Zubler, Mifflinburg -----
8497	Conestoga Brand Fish Compound -----	Elias M. Kintzel, Pine Grove -----
9867	Conestoga Brand Fish Compound -----	Wm. H. Meek, Hamburg -----
8978	Conestoga Brand Fish Compound -----	Henry S. Zook, Elverson -----
10114	Conestoga Brand Harvest Queen -----	Brown & Rea, Atglen -----
7697	Conestoga Brand Harvest Queen -----	O. D. Kennedy, Elmsport -----
7615	Conestoga Brand Harvest Queen -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9428	Conestoga Brand Harvest Queen -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9399	Conestoga Brand Harvest Queen -----	R. S. Schrack, Loganton -----
8765	Conestoga Brand Harvest Queen -----	Edwin F. Wink, Lenhartsville -----
9338	Conestoga Brand Harvest Queen -----	E. T. Zubler, Mifflinburg -----
7699	Conestoga Brand Lancaster Peerless -----	O. D. Kennedy, Elmsport -----
7609	Conestoga Brand Lancaster Peerless -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.44	3.29	9.69	8.50	9.41	8.00	0.28	0.50	7.31	7.00	7.31	-----	36.30	8462
3.30	3.29	9.20	8.50	8.62	8.00	0.58	0.50	7.40	7.00	7.40	-----	35.80	7888
3.36	3.29	10.47	8.50	10.07	8.00	0.40	0.50	6.91	7.00	6.91	-----	34.80	8952
1.77	1.65	10.06	8.50	9.80	8.00	0.26	0.50	5.22	5.00	5.22	-----	29.10	8463
1.81	1.65	9.07	8.50	8.55	8.00	0.52	0.50	5.12	5.00	5.12	-----	28.10	7890
1.84	1.65	9.58	8.50	8.70	8.00	0.88	0.50	5.49	5.00	5.49	-----		9870
1.65	1.65	9.59	8.50	9.23	8.00	0.36	0.50	6.70	5.00	6.70	-----	28.70	8742
1.80	1.65	9.50	8.50	9.02	8.00	0.48	0.50	5.45	5.00	5.45	-----	27.60	8951
3.32	3.29	16.81	16.50	16.05	16.00	0.76	0.50	10.10	10.00	10.10	-----		8683
3.32	3.29	17.44	16.50	16.68	16.00	0.76	0.50	10.46	10.00	10.46	-----		9872
3.50	3.29	16.88	16.50	16.72	16.00	0.16	0.50	10.09	10.00	10.09	-----		8746
0.73	0.82	10.98	8.50	10.44	8.00	0.54	0.50	5.46	5.00	5.46	-----	22.50	8875
0.89	0.82	10.38	8.50	9.74	8.00	0.64	0.50	6.46	5.00	6.46	-----	22.50	10089
0.84	0.82	13.14	11.00	11.66	10.00	1.48	1.00	4.66	4.00	4.66	-----	27.00	8876
1.05	0.82	13.61	11.00	10.99	10.00	2.62	1.00	4.55	4.00	4.55	-----	27.00	9252
*2.76	3.30	10.64	8.50	10.44	8.00	0.20	0.50	6.90	7.00	6.90	-----	34.00	8872
1.52	1.65	12.62	11.00	11.50	10.00	1.12	1.00	6.85	6.00	6.85	-----	28.50	8878
1.59	1.65	12.03	11.00	11.19	10.00	0.84	1.00	6.44	6.00	6.44	-----	28.50	9250
1.90	1.65	12.11	11.00	11.03	10.00	1.08	1.00	6.30	6.00	6.30	-----	28.50	9703
1.67	1.65	12.54	11.00	11.54	10.00	1.00	1.00	6.77	6.00	6.77	-----	28.50	10092
0.66	0.82	10.27	8.50	9.83	8.00	0.44	0.50	8.64	8.00	8.64	-----	26.00	8874
0.78	0.82	10.32	8.50	9.24	8.00	1.08	0.50	8.48	8.00	8.48	-----	26.00	10090
*1.34	1.65	11.67	9.00	10.43	8.00	1.24	1.00	10.66	10.00	10.66	-----	32.00	8877
1.70	1.65	10.50	9.00	9.78	8.00	0.72	1.00	10.60	10.00	10.60	-----	32.00	9253
1.98	1.65	13.57	9.00	12.47	8.00	1.10	1.00	*9.31	10.00	9.31	-----	32.00	9704
1.60	1.65	11.51	9.00	10.29	8.00	1.22	1.00	*9.78	10.00	9.78	-----	32.00	10094
1.65	1.65	10.98	9.00	10.04	8.00	0.94	1.00	5.74	5.00	5.74	-----	27.50	8873
1.67	1.65	10.45	9.00	9.51	8.00	0.94	1.00	5.93	5.00	5.93	-----	27.00	10091
*1.35	1.65	10.88	9.00	9.98	8.00	0.90	1.00	4.81	5.00	4.81	-----	28.50	9248
*2.22	2.46	12.44	8.50	10.34	8.00	2.10	0.50	5.14	5.00	5.14	-----	33.00	8880
2.30	2.46	11.75	8.50	10.51	8.00	1.24	0.50	*4.60	5.00	1.00	3.60	35.00	9251
0.88	0.82	9.36	10.00	9.00	9.00	0.36	1.00	4.29	4.00	4.29	-----	24.35	7694
0.90	0.82	9.57	10.00	9.31	9.00	0.26	1.00	4.03	4.00	4.03	-----		7608
0.86	0.82	9.72	10.00	9.42	9.00	0.30	1.00	4.20	4.00	4.20	-----		9429
0.85	0.82	9.29	10.00	9.05	9.00	0.24	1.00	4.11	4.00	4.11	-----	25.00	9869
0.83	0.82	10.38	10.00	9.94	9.00	0.44	1.00	3.90	4.00	3.90	-----	24.45	9339
1.71	1.60	10.19	11.00	10.07	10.00	0.12	1.00	3.93	3.00	3.93	-----	31.00	8497
1.65	1.60	10.84	11.00	10.04	10.00	0.80	1.00	3.57	3.00	3.57	-----	31.00	9867
1.58	1.60	10.89	11.00	10.33	10.00	0.56	1.00	3.26	3.00	3.26	-----	32.75	8978
1.53	1.60	9.34	9.00	8.72	8.00	0.62	1.00	4.92	5.00	4.92	-----	25.50	10114
1.88	1.60	8.90	9.00	8.46	8.00	0.44	1.00	5.43	5.00	5.43	-----	27.70	7697
1.58	1.60	8.53	9.00	8.09	8.00	0.46	1.00	5.01	5.00	5.01	-----		7615
1.68	1.60	8.87	9.00	8.57	8.00	0.30	1.00	*4.67	5.00	4.67	-----		9428
1.65	1.60	9.31	9.00	8.81	8.00	0.50	1.00	4.94	5.00	4.94	-----	26.00	9399
1.60	1.60	9.20	9.00	8.94	8.00	0.26	1.00	5.54	5.00	5.54	-----	27.85	8765
1.61	1.60	9.06	9.00	8.58	8.00	0.48	1.00	5.05	5.00	5.05	-----	27.60	9338
1.80	1.60	12.82	12.50	12.50	12.00	0.32	0.50	2.36	2.00	2.36	-----	28.15	7699
1.47	1.60	12.55	13.00	12.07	12.00	0.48	1.00	2.33	2.00	2.33	-----		7609

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9427	Conestoga Brand Lancaster Peerless --	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9400	Conestoga Brand Lancaster Peerless --	R. S. Schrack, Loganton -----
9340	Conestoga Brand Lancaster Peerless --	E. T. Zubler, Mifflinburg -----
7698	Conestoga Brand Potato Grower -----	O. D. Kennedy, Elmsport -----
7611	Conestoga Brand Potato Grower -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9868	Conestoga Brand Potato Grower -----	Wm. H. Meck, Hamburg -----
8766	Conestoga Brand Potato Grower -----	Edwin F. Wink, Lenhartsville -----
8976	Conestoga Brand Potato Grower -----	Henry S. Zook, Elverson -----
9476	Conestoga Brand Truckers Special ----	Firestone & Shillito, Dillsburg -----
8977	Conestoga Brand Truckers Special ----	Henry S. Zook, Elverson -----
7612	Conestoga Brand 2-10-6 -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
7695	Conestoga Brand 3-12-5 -----	O. D. Kennedy, Elmsport -----
7613	Conestoga Brand 3-12-5 -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
9430	Conestoga Brand 3-12-5 -----	Lancaster Bone Fertilizer Co., Inc., Quarryville -----
LANCASTER CHEMICAL CO., LANCASTER, PA.		
8848	No. 1 Tobacco and Vegetable -----	Lancaster Chemical Co., Lancaster -----
8847	No. 2 Dewey Brand -----	Lancaster Chemical Co., Lancaster -----
9425	No. 2 Dewey Brand -----	Lancaster Chemical Co., Lancaster -----
8849	No. 5 Flag Brand -----	Lancaster Chemical Co., Lancaster -----
9424	No. 5 Flag Brand -----	Lancaster Chemical Co., Lancaster -----
8845	No. 18 Success Brand -----	Lancaster Chemical Co., Lancaster -----
9423	No. 19 Potato Special -----	Lancaster Chemical Co., Lancaster -----
LEBANON FERTILIZER WORKS, LEBANON, PA.		
8864	Levan's 1-9-4 -----	Herr Brothers, Quarryville -----
7878	Levan's 1-9-4 -----	Vincent A. Huber, Patton -----
9622	Levan's 1-9-4 -----	James W. Rentschler, Hamburg -----
9346	Levan's 1-9-4 -----	C. W. Thomas, Danville -----
8861	Levan's 2-8-5 -----	Herr Brothers, Quarryville -----
9621	Levan's 2-8-5 -----	James W. Rentschler, Hamburg -----
8494	Levan's 2-8-5 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
9342	Levan's 2-8-5 -----	C. W. Thomas, Danville -----
8863	Levan's 2-8-10 -----	Herr Brothers, Quarryville -----
7876	Levan's 2-8-10 -----	Vincent A. Huber, Patton -----
9623	Levan's 2-8-10 -----	James W. Rentschler, Hamburg -----
7875	Levan's 2-12-5 -----	Vincent A. Huber, Patton -----
8489	Levan's 2-12-5 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
9345	Levan's 2-12-5 -----	C. W. Thomas, Danville -----
9624	Levan's 3-12-6 -----	James W. Rentschler, Hamburg -----
8488	Levan's 3-12-6 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
9298	Levan's 4-8-7 -----	J. B. Curry's Sons, Swatara -----
8487	Levan's 4-8-7 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
9347	Levan's 4-8-7 -----	C. W. Thomas, Danville -----
8486	Levan's 4-16-4 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.82	1.60	12.64	13.00	12.06	12.00	0.58	1.00	2.45	2.00	2.45	-----	-----	9427
1.69	1.60	13.13	13.00	12.71	12.00	0.42	1.00	1.88	2.00	1.88	-----	-----	9400
1.77	1.60	13.02	13.00	12.44	12.00	0.58	1.00	2.03	2.00	2.03	-----	27.95	9340
2.30	1.60	9.03	9.00	8.65	8.00	0.38	1.00	*9.36	10.00	9.36	-----	32.70	7698
1.66	1.60	8.79	9.00	8.27	8.00	0.52	1.00	10.82	10.00	10.82	-----	-----	7611
1.69	1.60	8.52	9.00	8.00	8.00	0.52	1.00	10.24	10.00	10.24	-----	32.50	9868
1.58	1.60	9.18	9.00	8.78	8.00	0.40	1.00	10.49	10.00	10.49	-----	-----	8766
1.65	1.60	9.11	9.00	8.69	8.00	0.42	1.00	10.19	10.00	10.19	-----	35.00	8976
3.20	3.20	9.49	9.00	9.29	8.00	0.20	1.00	*6.66	7.00	6.66	-----	36.15	9476
3.42	3.20	9.22	9.00	8.52	8.00	0.70	1.00	7.40	7.00	7.40	-----	37.00	8977
1.65	1.60	10.60	11.00	10.18	10.00	0.42	1.00	5.93	6.00	5.93	-----	-----	7612
2.53	2.46	13.06	13.00	12.56	12.00	0.50	1.00	5.07	5.00	5.07	-----	34.55	7695
2.40	2.40	12.60	13.00	12.34	12.00	0.26	1.00	5.09	5.00	5.09	-----	-----	7613
2.70	2.40	12.50	13.00	12.08	12.00	0.42	1.00	5.16	5.00	5.16	-----	-----	9430
2.31	2.05	10.42	8.50	10.18	7.50	0.24	1.00	6.94	7.00	-----	6.94	-----	8848
1.61	1.23	11.88	10.00	11.72	9.00	0.16	1.00	5.04	4.00	5.04	-----	-----	8847
1.54	1.23	10.57	10.00	10.31	9.00	0.26	1.00	5.28	4.00	5.28	-----	-----	9425
1.69	1.64	9.64	9.00	9.50	8.00	0.14	1.00	6.25	5.00	6.25	-----	-----	8849
1.71	1.64	9.72	9.00	9.38	8.00	0.34	1.00	5.14	5.00	5.14	-----	-----	9424
1.53	0.82	13.13	10.00	12.73	9.00	0.40	1.00	5.20	4.00	5.20	-----	-----	8845
1.72	1.64	8.67	9.00	8.37	8.00	0.30	1.00	12.60	10.00	12.60	-----	-----	9423
1.12	0.82	9.41	10.00	9.01	9.00	0.40	1.00	3.84	4.00	3.84	-----	24.00	8864
1.09	0.82	9.69	10.00	9.53	9.00	0.16	1.00	3.93	4.00	3.93	-----	-----	7878
1.30	0.82	9.87	10.00	9.23	9.00	0.64	1.00	4.04	4.00	4.04	-----	25.00	9622
0.91	0.82	9.53	10.00	9.17	9.00	0.36	1.00	4.00	4.00	4.00	-----	24.75	9346
1.73	1.65	8.90	9.00	8.72	8.00	0.18	1.00	4.93	5.00	4.93	-----	28.00	8861
1.69	1.65	8.80	9.00	8.50	8.00	0.30	1.00	5.17	5.00	5.17	-----	29.00	9621
1.74	1.65	8.57	9.00	8.47	8.00	0.10	1.00	4.86	5.00	4.86	-----	25.47	8494
1.68	1.65	8.62	9.00	8.10	8.00	0.52	1.00	5.12	5.00	5.12	-----	27.95	9342
1.77	1.65	8.75	9.00	8.65	8.00	0.10	1.00	10.00	10.00	10.00	-----	32.25	8863
1.70	1.65	8.81	9.00	8.71	8.00	0.10	1.00	10.12	10.00	10.12	-----	-----	7876
1.76	1.65	8.71	9.00	8.29	8.00	0.42	1.00	10.52	10.00	10.52	-----	34.00	9623
2.17	1.65	12.34	13.00	12.22	12.00	0.12	1.00	*4.57	5.00	4.57	-----	-----	1815
1.70	1.65	12.73	13.00	12.61	12.00	0.12	1.00	5.71	5.00	5.71	-----	28.42	8489
1.80	1.65	12.60	13.00	12.14	12.00	0.46	1.00	5.53	5.00	5.53	-----	31.35	9345
2.59	2.47	12.65	13.00	12.21	12.00	0.44	1.00	6.67	6.00	6.67	-----	37.00	9624
2.35	2.47	13.11	13.00	13.01	12.00	0.10	1.00	6.37	6.00	6.37	-----	32.12	8488
3.19	3.29	8.80	9.00	8.48	8.00	0.32	1.00	7.76	7.00	7.76	-----	38.16	9298
3.29	3.29	9.18	9.00	9.08	8.00	0.10	1.00	6.88	7.00	6.88	-----	32.77	8487
*3.04	3.29	9.86	9.00	9.32	8.00	0.54	1.00	6.93	7.00	6.93	-----	36.25	9347
3.19	3.29	17.53	17.00	17.43	16.00	0.10	1.00	4.69	4.00	4.69	-----	37.08	8486

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9341	Levan's 4-16-4 ----- FRED E. LORD, ESPY, PA.	C. W. Thomas, Danville -----
9567	Columbia County Carnation Food ---	Fred E. Lord, Espy -----
7636	Columbia County Garden Special -----	Fred E. Lord, Espy -----
9569	Columbia County Garden Special -----	Fred E. Lord, Espy -----
7628	Columbia County High Analysis Special -----	Fred E. Lord, Espy -----
9568	Columbia County High Analysis Special -----	Fred E. Lord, Espy -----
7625	Columbia County Potato Special -----	Fred E. Lord, Espy -----
8225	Columbia County Potato Special -----	Fred E. Lord, Espy -----
9571	Columbia County Potato Special -----	Fred E. Lord, Espy -----
7626	Columbia County Spring Special -----	Fred E. Lord, Espy -----
9570	Columbia County Spring Special -----	Fred E. Lord, Espy -----
9557	Lord's Odorless House Plant Fertilizer -----	Fred E. Lord, Espy -----
	THE MAPES FORMULA & PERUVIAN GUANO CO., NEW YORK, N. Y.	
8090	The Mapes General Tobaeao Manure -- THE FREDERICK MEHRING FERTIL- IZER WORKS, INC., KEYMAR, MD.	J. K. Shultz Estate, Wasbington Boro -----
8896	Mehring's Big 4 -----	E. Charles Mathias & Son, Littlestown ---
10097	Mehring's Big 4 -----	West Manheim Farmers Assoeiation, Hanover
8898	Mehring's Early Truek Guano -----	E. Charles Mathias & Son, Littlestown ---
10104	Mehring's Indian Chief -----	E. Charles Mathias & Son, Littlestown ---
8897	Mehring's Mammoth Truek Grower -----	E. Charles Mathias & Son, Littlestown ---
10096	Mehring's Mammoth Truck Grower -----	West Manheim Farmers Assoeiation, Hanover
	HENRY F. MICHELL CO., PHILADELPHIA, PA.	
8821	Miehell's High Grade Ammoniated Phospbate ----- THE MILLER FERTILIZER CO., BALTIMORE, MD.	Henry F. Miehell Co., Philadelphia -----
8254	Miller's Early Trucke 5-8-5 -----	M. C. Deitz's Sons, Meehaniesburg -----
7831	Miller's Early Trucke 5-8-5 -----	H. J. Lindner & Son, Pottsgrove -----
7681	Miller's Farmers Profit 2-10-4 -----	R. S. Blain, Turbotville -----
8958	Miller's Farmers Profit 2-10-4 -----	L. R. Levensgood, Pottstown -----
9296	Miller's Farmers Profit 2-10-4 -----	J. A. Shuey, Hummelstown -----
10040	Miller's Grass and Grain 2-9-3 -----	S. F. Rarig, Catawissa -----
8607	Miller's Grass and Grain 2-9-3 -----	R. K. Yoder, Belleville -----
9592	Miller's Harvest Queen 1-9-4 -----	R. S. Blaine, Turbotville -----
8257	Miller's Harvest Queen 1-9-4 -----	M. C. Deitz's Sons, Meehaniesburg -----
9460	Miller's Harvest Queen 1-9-4 -----	M. C. Deitz's Sons, Meehaniesburg -----
7829	Miller's Harvest Queen 1-9-4 -----	H. J. Lindner & Son, Pottsgrove -----
9501	Miller's Harvest Queen 1-9-4 -----	H. L. Ort, Pennsdale -----
8518	Miller's No. 1 Potato and Vegetable Grower 4-8-4 -----	F. C. Bebrems & Sons, East Maueh Chunk ---
7933	Miller's No. 1 Potato and Vegetable Grower 4-8-4 -----	S. R. Iddings, Mifflinburg -----
9816	Miller's No. 1 Potato and Vegetable Grower 4-8-4 -----	C. D. Lindner, Pottsgrove -----
8324	Miller's Pimlieo 2-8-10 -----	Lee Arbogast, McAllisterville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present. as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.32	3.29	16.31	17.00	15.95	16.00	0.36	1.00	5.23	4.00	5.23	-----	41.30	9341
5.30	4.93	14.91	14.50	11.71	5.00	3.20	9.50	3.46	3.00	2.00	1.46	60.00	9567
4.33	4.11	11.00	10.50	10.58	10.00	0.42	0.50	5.55	5.00	5.55	-----	34.00	7636
4.24	4.11	11.88	10.50	11.40	10.00	0.48	0.50	5.26	5.00	5.26	-----	33.00	9569
3.61	3.29	21.16	20.50	20.96	20.00	0.20	0.50	8.67	8.00	8.67	-----	46.00	7628
3.67	3.29	21.30	20.50	21.08	20.00	0.22	0.50	8.71	8.00	8.71	-----	45.00	9568
1.81	1.64	9.44	8.50	9.12	8.00	0.32	0.50	10.63	10.00	10.63	-----	28.90	7625
1.72	1.64	9.38	8.50	9.16	8.00	0.22	0.50	11.52	10.00	11.52	-----	29.90	8225
1.88	1.64	9.90	8.50	9.58	8.00	0.32	0.50	10.29	10.00	10.29	-----	28.00	9571
1.82	1.64	11.49	10.50	11.09	10.00	0.40	0.50	5.28	4.00	5.28	-----	25.80	7626
1.94	1.64	12.49	10.50	12.07	10.00	0.42	0.50	4.62	4.00	4.62	-----	25.00	9570
5.47	4.95	13.87	14.00	10.83	5.00	3.04	9.00	4.03	3.00	1.60	2.43	‡	9557
4.36	4.12	5.01	-----	4.65	4.00	0.36	-----	5.99	5.00	-----	5.99	-----	8090
1.01	0.82	11.16	10.00	9.52	9.00	1.64	1.00	4.23	4.00	4.23	-----	23.00	8896
1.02	0.82	10.84	10.00	9.86	9.00	0.98	1.00	4.91	4.00	4.91	-----	22.75	10097
3.29	3.28	9.81	9.00	9.15	8.00	0.66	1.00	7.59	7.00	6.80	0.79	34.00	8898
1.78	1.64	12.69	13.00	*10.61	12.00	2.08	1.00	6.38	6.00	6.38	-----	26.00	10104
1.66	1.64	10.27	9.00	8.97	8.00	1.30	1.00	5.44	5.00	5.44	-----	26.00	8897
1.66	1.64	9.90	9.00	8.94	8.00	0.96	1.00	5.70	5.00	5.70	-----	25.25	10096
1.95	1.64	11.53	10.00	11.23	10.00	0.30	-----	5.09	4.00	5.09	-----	27.00	8821
4.04	4.11	9.25	8.50	8.75	8.00	0.50	0.50	5.04	5.00	5.04	-----	38.50	8254
*3.59	4.11	9.03	8.50	8.87	8.00	0.16	0.50	4.88	5.00	4.88	-----	37.55	7831
1.85	1.65	10.51	10.50	10.07	10.00	0.44	0.50	4.12	4.00	4.12	-----	29.00	7681
1.85	1.65	11.14	10.50	10.72	10.00	0.42	0.50	4.24	4.00	4.24	-----	31.00	8958
1.90	1.65	11.15	10.50	10.45	10.00	0.70	0.50	4.29	4.00	4.29	-----	28.00	9296
1.71	1.65	10.88	9.50	10.06	9.00	0.82	0.50	3.45	3.00	3.45	-----	25.75	10040
1.95	1.65	10.79	9.50	10.53	9.00	0.26	0.50	3.30	3.00	3.30	-----	26.75	8607
0.90	0.82	10.09	9.50	9.41	9.00	0.68	0.50	4.24	4.00	4.24	-----	25.00	9592
0.91	0.82	9.78	9.50	9.04	9.00	0.74	0.50	4.58	4.00	4.58	-----	25.50	8257
0.94	0.82	10.47	9.50	10.11	9.00	0.36	0.50	4.67	4.00	4.67	-----	25.50	9460
1.06	0.82	9.62	9.50	9.24	9.00	0.38	0.50	4.39	4.00	4.39	-----	24.60	7829
1.07	0.82	9.94	9.50	9.24	9.00	0.70	0.50	4.38	4.00	4.38	-----	24.50	9501
3.45	3.29	9.69	8.50	9.51	8.00	0.18	0.50	4.43	4.00	4.43	-----	32.15	8518
3.15	3.29	9.15	8.50	8.85	8.00	0.30	0.50	3.90	4.00	3.90	-----	-----	7933
*2.57	3.29	10.05	8.50	9.51	8.00	0.54	0.50	3.95	4.00	3.95	-----	33.20	9816
1.69	1.65	8.87	8.50	8.69	8.00	0.18	0.50	10.19	10.00	10.19	-----	-----	8324

*Deficient.

‡Sold at the rate of 25 cents per package.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7682	Miller's Pimlico 2-8-10 -----	R. S. Blaine, Turbotville -----
8258	Miller's Pimlico 2-8-10 -----	M. C. Deitz's Sons, Mechanicsburg -----
9783	Miller's Pimlico 2-8-10 -----	Ross Goodman, Huntingdon -----
8393	Miller's Pimlico 2-8-10 -----	M. T. Harkins, Hickory Hill -----
9674	Miller's Pimlico 2-8-10 -----	W. B. Hartman, Shoemakersville -----
10105	Miller's Pimlico 2-8-10 -----	G. W. Koser, Biglerville -----
9815	Miller's Pimlico 2-8-10 -----	C. D. Lindner, Pottsgrove -----
9500	Miller's Pimlico 2-8-10 -----	H. L. Ort, Pennsdale -----
9861	Miller's Wheat and Grass Grower 2-12-2 -----	W. B. Hartman, Shoemakersville -----
9812	Miller's Wheat and Grass Grower 2-12-2 -----	C. D. Lindner, Pottsgrove -----
7830	Miller's Wheat and Grass Grower 2-12-2 -----	H. J. Lindner & Son, Pottsgrove -----
8520	Miller's 2-8-5 -----	F. C. Behrens & Son, East Mauch Chunk -----
7683	Miller's 2-8-5 -----	R. S. Blaine, Turbotville -----
9458	Miller's 2-8-5 -----	M. C. Deitz's Sons, Mechanicsburg -----
8592	Miller's 2-8-5 -----	Ross Goodman, Huntingdon -----
9781	Miller's 2-8-5 -----	Ross Goodman, Huntingdon -----
8392	Miller's 2-8-5 -----	M. T. Harkins, Hickory Hill -----
9673	Miller's 2-8-5 -----	W. B. Hartman, Shoemakersville -----
9817	Miller's 2-8-5 -----	C. D. Lindner, Pottsgrove -----
9233	Miller's 2-8-5 -----	J. H. McWhirter, Mercer -----
7595	Miller's 2-8-5 -----	Walker Brothers, Chambersburg -----
8594	Miller's 2-12-4 -----	Ross Goodman, Huntingdon -----
9862	Miller's 2-12-4 -----	W. B. Hartman, Shoemakersville -----
9810	Miller's 2-12-4 -----	C. D. Lindner, Pottsgrove -----
7832	Miller's 2-12-4 -----	H. J. Lindner & Son, Pottsgrove -----
8519	Miller's 3-10-6 -----	F. C. Behrens & Son, East Mauch Chunk -----
7679	Miller's 4-8-7 -----	R. S. Blaine, Turbotville -----
8255	Miller's 4-8-7 -----	M. C. Deitz's Sons, Mechanicsburg -----
8054	Miller's 4-8-7 -----	W. B. Hartman, Shoemakersville -----
9813	Miller's 4-8-7 -----	C. D. Lindner, Pottsgrove -----
9231	Miller's 4-8-7 -----	J. H. McWhirter, Mercer -----
9297	Miller's 4-8-7 -----	J. A. Shuey, Hummelstown -----
7594	Miller's 4-8-7 -----	Walker Brothers, Chambersburg -----
8606	Miller's 4-8-7 -----	R. K. Yoder, Belleville -----
MORTON FERTILIZER CO., BALTIMORE, MD.		
7713	Morton's Complete Fertilizer -----	Walter Kline, Shoemakersville -----
7736	Morton's Farmers Favorite -----	Andrews & Sons, Mapleton Depot -----
9513	Morton's Farmers Favorite -----	C. Greenland, Colfax -----
7712	Morton's Farmers Favorite -----	Walter Kline, Shoemakersville -----
7737	Morton's Gilt Edge Guano -----	Andrews & Sons, Mapleton Depot -----
7959	Morton's Gilt Edge Guano -----	H. B. Low & Son, Orangeville -----
7735	Morton's Harvest Queen -----	Andrews & Sons, Mapleton Depot -----
7733	Morton's 10% Potash Fertilizer -----	Andrews & Sons, Mapleton Depot -----
7961	Morton's 10% Potash Fertilizer -----	H. B. Low & Son, Orangeville -----
9828	Morton's 10% Potash Fertilizer -----	H. B. Low & Son, Orangeville -----
7732	Morton's 2-12-6 Fertilizer -----	Andrews & Sons, Mapleton Depot -----
7960	Morton's 2-12-6 Fertilizer -----	H. B. Low & Son, Orangeville -----
9827	Morton's 2-12-6 Fertilizer -----	H. B. Low & Son, Orangeville -----
G. OBER & SONS CO., BALTIMORE, MD.		
9809	Ober's Red Seal Corn and Wheat Guano -----	F. H. Shenberger, Red Lion -----
9760	Ober's Red Seal Corn and Wheat Guano -----	Somerset Milling Co., Somerset -----
8890	Ober's Special Plant Food -----	J. H. Duttera, New Oxford -----
9882	Ober's Special Plant Food -----	Joe. Graham, Strasburg -----
8620	Ober's Special Plant Food -----	Petersburg Milling Co., Bessemer -----
9757	Ober's Special Plant Food -----	Somerset Milling Co., Somerset -----
8891	Ober's Stag Guano -----	J. H. Duttera, New Oxford -----
10037	Ober's Stag Guano -----	W. H. Fogelsanger, Shippensburg -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.72	1.65	8.67	8.50	8.45	8.00	0.22	0.50	10.18	10.00	10.18	-----	33.00	7632
1.68	1.65	9.15	8.50	8.81	8.00	0.34	0.50	10.62	10.00	10.62	-----	34.00	8258
1.72	1.65	9.02	8.50	8.64	8.00	0.38	0.50	10.04	10.00	10.04	-----	-----	9753
1.82	1.65	9.38	8.50	9.10	8.00	0.28	0.50	10.26	10.00	10.26	-----	-----	8393
1.79	1.65	9.50	8.50	8.96	8.00	0.54	0.50	10.14	10.00	10.14	-----	32.61	9674
1.80	1.65	9.17	8.50	8.29	8.00	0.88	0.50	10.09	10.00	10.09	-----	32.00	10105
1.74	1.65	8.75	8.50	8.13	8.00	0.62	0.50	10.25	10.00	10.25	-----	32.75	9815
1.72	1.65	9.15	8.50	8.55	8.00	0.60	0.50	*9.56	10.00	9.56	-----	33.00	9500
1.95	1.65	13.29	12.50	12.65	12.00	0.64	0.50	2.36	2.00	2.36	-----	28.33	9801
1.61	1.65	13.00	12.50	12.42	12.00	0.58	0.50	2.35	2.00	2.35	-----	28.25	9812
1.94	1.65	12.67	12.50	12.41	12.00	0.26	0.50	2.37	2.00	2.37	-----	27.40	7880
1.58	1.65	10.15	8.50	9.87	8.00	0.23	0.50	*4.62	5.00	4.62	-----	26.75	8520
1.88	1.65	8.94	8.50	8.70	8.00	0.24	0.50	5.26	5.00	5.26	-----	28.25	7683
1.79	1.65	10.08	8.50	9.60	8.00	0.48	0.50	*4.45	5.00	4.45	-----	28.75	9458
1.72	1.65	8.71	8.50	8.41	8.00	0.30	0.50	5.00	5.00	5.00	-----	-----	8502
1.76	1.65	9.16	8.50	8.70	8.00	0.46	0.50	5.48	5.00	5.48	-----	-----	9781
1.76	1.65	9.20	8.50	8.58	8.00	0.62	0.50	5.41	5.00	5.41	-----	-----	8292
1.82	1.65	9.24	8.50	8.66	8.00	0.58	0.50	5.01	5.00	5.01	-----	27.95	9673
1.76	1.65	8.92	8.50	8.24	8.00	0.68	0.50	5.08	5.00	5.08	-----	27.85	9817
1.65	1.65	9.11	8.50	8.73	8.00	0.38	0.50	5.91	5.00	5.91	-----	33.00	1233
1.92	1.65	8.65	8.50	8.21	8.00	0.44	0.50	5.24	5.00	5.24	-----	-----	7595
2.22	1.65	13.01	12.50	12.59	12.00	0.42	0.50	4.20	4.00	4.30	-----	-----	8594
1.88	1.65	12.97	12.50	12.13	12.00	0.84	0.50	4.00	4.00	4.00	-----	30.23	9302
1.71	1.65	12.54	12.50	12.06	12.00	0.50	0.50	3.94	4.00	3.94	-----	30.25	9510
1.78	1.65	12.53	12.50	12.21	12.00	0.32	0.50	4.36	4.00	4.36	-----	30.35	7882
2.47	2.47	19.94	10.50	10.66	10.00	0.32	0.50	6.28	6.00	6.28	-----	-----	8519
3.35	3.29	8.95	8.50	8.80	8.00	0.18	0.50	7.00	7.00	7.00	-----	36.00	7679
3.19	3.29	9.31	8.50	8.81	8.00	0.50	0.50	*6.77	7.00	6.77	-----	37.75	8255
3.41	3.29	9.12	8.50	8.82	8.00	0.30	0.50	6.91	7.00	6.91	-----	34.53	8054
3.31	3.29	9.76	8.50	9.40	8.00	0.36	0.50	7.17	7.00	7.17	-----	36.15	9813
3.10	3.29	9.24	8.50	8.62	8.00	0.62	0.50	7.79	7.00	7.79	-----	44.00	9231
3.33	3.29	8.89	8.50	8.39	8.00	0.50	0.50	7.55	7.00	7.55	-----	35.00	9297
3.37	3.29	8.87	8.50	8.31	8.00	0.56	0.50	6.98	7.00	6.98	-----	-----	7594
3.45	3.29	9.39	8.50	9.03	8.00	0.36	0.50	7.49	7.00	7.49	-----	36.75	8606
1.66	1.64	12.93	13.00	12.27	12.00	0.66	1.00	2.16	2.00	2.16	-----	24.75	7713
1.71	1.64	8.89	9.00	8.53	8.00	0.36	1.00	5.09	5.00	5.09	-----	27.60	7736
1.74	1.64	9.26	9.00	8.24	8.00	1.02	1.00	5.24	5.00	5.24	-----	26.05	9513
1.67	1.64	8.62	9.00	8.06	8.00	0.56	1.00	5.05	5.00	5.05	-----	24.60	7712
3.29	3.28	8.48	9.00	8.20	8.00	0.28	1.00	*5.74	6.00	5.74	-----	34.50	7737
*2.98	3.28	9.11	9.00	8.53	8.00	0.48	1.00	6.05	6.00	6.05	-----	31.75	7959
1.02	0.82	9.55	10.00	9.01	9.00	0.54	1.00	4.00	4.00	4.00	-----	24.50	7735
1.60	1.64	8.71	9.00	8.43	8.00	0.28	1.00	*9.59	10.00	9.59	-----	32.25	7733
1.65	1.64	8.56	9.00	8.26	8.00	0.30	1.00	10.04	10.00	10.04	-----	30.50	7961
1.75	1.64	9.85	9.00	8.81	8.00	1.04	1.00	*9.52	10.00	9.52	-----	29.50	9828
1.73	1.64	12.44	13.00	12.06	12.00	0.35	1.00	6.54	6.00	6.54	-----	31.70	7732
1.66	1.64	13.13	13.00	12.33	12.00	0.80	1.00	6.16	6.00	6.16	-----	30.00	7960
1.69	1.64	13.43	13.00	12.19	12.00	1.24	1.00	6.24	6.00	6.24	-----	29.00	9827
1.75	1.65	13.79	13.00	11.49	12.00	2.30	1.00	4.32	4.00	4.32	-----	28.50	9809
1.72	1.65	14.01	13.00	12.69	12.00	1.32	1.00	4.32	4.00	4.32	-----	30.00	9760
1.60	1.65	10.46	10.00	9.50	9.00	0.96	1.00	5.14	5.00	5.14	-----	30.00	8890
1.69	1.65	10.54	10.00	9.08	9.00	1.46	1.00	5.26	5.00	5.26	-----	26.53	9882
1.70	1.65	10.50	10.00	9.86	9.00	0.64	1.00	5.47	5.00	5.47	-----	31.00	8620
1.78	1.65	10.87	10.00	9.65	9.00	1.22	1.00	5.56	5.00	5.56	-----	28.75	9757
1.05	0.82	11.23	10.00	10.03	9.00	1.20	1.00	3.88	4.00	3.88	-----	23.00	8891
1.00	0.82	10.69	10.00	9.15	9.00	1.54	1.00	4.29	4.00	4.29	-----	23.00	10037

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8628	Ober's Stag Guano -----	Peter Shaffer & Sons, New Brighton -----
9745	Ober's Stag Guano -----	L. P. Swope & Co., Duneansville -----
8530	Ober's Sunbeam Guano -----	Chambersburg Milling Co., Chambersburg -----
9743	Ober's Super Wheat and Grain Grower -----	L. P. Swope & Co., Duneansville -----
8382	Ober's Superior Potato and Vegetable Grower -----	Elwood R. Chambers, Elkview -----
8889	Ober's Superior Potato and Vegetable Grower -----	J. H. Duttera, New Oxford -----
9759	Ober's Superior Potato and Vegetable Grower -----	Somerset Milling Co., Somerset -----
8619	Ober's Swan E Guano -----	Petersburg Milling Co., Bessemer -----
THE OLD GARDENER CO., PITTSBURGH, PA.		
8825	Old Gardener High Grade Odorless -----	Gunster Brothers, Scranton -----
9138	Old Gardener High Grade Odorless -----	I. W. Seott Co., Pittsburgh -----
OXFORD PACKING WORKS, OXFORD, PA.		
8389	O. P. W. No. 1 -----	Oxford Paeking Works, Oxford -----
9689	O. P. W. No. 1 -----	Oxford Paeking Works, Oxford -----
8390	O. P. W. Special -----	Oxford Paeking Works, Oxford -----
OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.		
9036	O. & S. Crop Grower -----	M. J. Sheffer, Hanover -----
10002	O. & S. Excelsior -----	J. I. Hereter & Son, Fayetteville -----
9035	O. & S. Exeelsior -----	M. J. Sheffer, Hanover -----
9057	O. & S. Exeelsior -----	J. F. Wineland, Curryville -----
9995	O. & S. Imperial -----	Oyler & Spangler Fertilizer Works, Inc., Gettysburg -----
9037	O. & S. Imperial -----	M. J. Sheffer, Hanover -----
9996	O. & S. Potato Special -----	Oyler & Spangler Fertilizer Works, Inc., Gettysburg -----
9059	O. & S. Potato Special -----	J. F. Wineland, Curryville -----
PATUXENT GUANO CO., BALTIMORE, MD.		
8290	Beaver Brand Guano -----	Briggs Brothers, Mt. Union -----
8376	Beaver Brand Guano -----	Chaapels Seed Store, Williamsport -----
9858	Beaver Brand Guano -----	Chaapels Seed Store, Williamsport -----
9462	Beaver Brand Guano -----	M. O. Dietz's Sons, Meehanicsburg -----
9351	Beaver Brand Guano -----	E. F. England & Son, Bedford -----
7937	Beaver Brand Guano -----	J. P. Walters, Vicksburg -----
9323	Beaver Brand Guano -----	J. P. Walters, Vicksburg -----
8151	Patuxent Big Yield -----	Dillsburg Grain & Milling Co., Dillsburg -----
8378	Patuxent Champion Fertilizer -----	Chaapels Seed Store, Williamsport -----
8154	Patuxent Champion Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
9473	Patuxent Champion Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
9352	Patuxent Champion Fertilizer -----	E. F. England & Son, Bedford -----
9573	Patuxent Champion Fertilizer -----	W. W. Kalb, Sunbury -----
9409	Patuxent Champion Fertilizer -----	E. H. Peek, Nittany -----
8553	Patuxent Champion Fertilizer -----	H. M. Sayer, Moscow -----
7941	Patuxent Champion Fertilizer -----	W. H. Snyder, Winfield -----
8375	Patuxent Enterprise Fertilizer -----	Chaapels Seed Store, Williamsport -----
8152	Patuxent Enterprise Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
8552	Patuxent Enterprise Fertilizer -----	H. M. Sayer, Moscow -----
8155	Patuxent Farmers Friend Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
9572	Patuxent Farmers Friend Fertilizer -----	W. W. Kalb, Sunbury -----
8554	Patuxent Farmers Friend Fertilizer -----	H. M. Sayer, Moscow -----
8204	Patuxent Golden Harvest -----	Selinsgrove Coal & Farmers Supply Co., Selinsgrove -----
9410	Patuxent Grain and Clover Producer --	E. H. Peek, Nittany -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.08	0.82	10.66	10.00	9.76	9.00	0.90	1.00	4.04	4.00	4.04	-----	27.00	8628
0.98	0.82	10.45	10.00	8.95	9.00	1.50	1.00	4.27	4.00	4.27	-----	27.00	9745
3.36	3.29	9.63	9.00	8.77	8.00	0.86	1.00	8.18	7.00	8.18	-----	36.00	8530
2.53	2.47	13.84	13.00	12.08	12.00	1.76	1.00	3.41	3.00	3.41	-----	37.25	9743
1.65	1.65	8.65	9.00	8.01	8.00	0.64	1.00	10.79	10.00	10.79	-----	34.00	8382
1.70	1.65	9.55	9.00	8.55	8.00	1.00	1.00	*9.37	10.00	9.37	-----	31.00	8889
1.68	1.65	9.58	9.00	8.30	8.00	1.28	1.00	9.96	10.00	9.96	-----	32.00	9759
1.55	1.65	10.20	10.00	9.22	9.00	0.98	1.00	3.21	3.00	3.21	-----	29.00	8619
2.90	2.50	11.66	10.50	11.08	10.00	0.58	0.50	4.99	4.00	4.99	-----	‡	8825
3.11	2.50	11.93	11.00	11.33	10.00	0.60	1.00	4.74	4.00	4.74	-----	100.00	9138
1.69	1.64	10.60	9.00	9.60	8.00	1.00	1.00	5.28	5.00	5.28	-----	29.00	8389
1.60	1.64	10.65	9.00	9.29	8.00	1.36	1.00	5.70	5.00	5.70	-----	26.50	9689
1.70	1.64	9.58	9.00	8.54	8.00	1.04	1.00	9.89	10.00	9.89	-----	34.00	8390
1.02	0.82	9.61	9.50	9.05	9.00	0.56	0.50	4.26	4.00	4.26	-----	26.00	9036
1.74	1.65	8.67	8.50	8.15	8.00	0.52	0.50	5.08	5.00	5.08	-----	26.50	10002
1.73	1.65	9.87	8.50	9.37	8.00	0.50	0.50	5.11	5.00	5.11	-----	28.75	9035
1.72	1.65	9.78	8.50	8.76	8.00	1.02	0.50	5.70	5.00	5.70	-----	30.75	9057
1.69	1.65	9.30	8.50	9.04	8.00	0.26	0.50	*9.64	10.00	9.64	-----	28.20	9995
1.65	1.65	9.66	8.50	9.24	8.00	0.42	0.50	10.50	10.00	10.50	-----	33.50	9037
3.22	-----	9.18	-----	8.88	8.00	0.30	-----	6.95	7.00	6.95	-----	32.55	9996
3.42	3.29	9.83	8.50	9.13	8.00	0.70	0.50	7.13	7.00	7.13	-----	39.00	9059
0.97	0.82	10.68	10.00	10.04	9.00	0.64	1.00	4.34	4.00	4.34	-----	-----	8290
0.97	0.82	10.32	10.00	9.58	9.00	0.74	1.00	3.87	4.00	3.87	-----	30.00	8376
1.01	0.82	10.18	10.00	9.38	9.00	0.80	1.00	*3.74	4.00	3.74	-----	32.00	9858
1.09	0.82	10.77	10.00	9.61	9.00	1.16	1.00	4.26	4.00	4.26	-----	25.50	9462
1.02	0.82	10.27	10.00	9.69	9.00	0.58	1.00	4.03	4.00	4.03	-----	27.00	9351
0.95	0.82	9.69	10.00	9.37	9.00	0.32	1.00	4.00	4.00	4.00	-----	27.00	7937
0.98	0.82	10.28	10.00	9.58	9.00	0.70	1.00	4.12	4.00	4.12	-----	27.50	9323
0.87	0.82	10.43	10.00	9.87	9.00	0.56	1.00	5.07	5.00	5.07	-----	21.80	8151
2.60	1.65	9.38	9.00	8.94	8.00	0.44	1.00	4.82	5.00	4.82	-----	35.00	8378
1.76	1.65	8.97	9.00	8.65	8.00	0.32	1.00	4.93	5.00	4.93	-----	24.15	8154
1.69	1.65	9.48	9.00	8.54	8.00	0.94	1.00	5.43	5.00	5.43	-----	29.00	9473
1.67	1.65	9.98	9.00	9.30	8.00	0.68	1.00	4.90	5.00	4.90	-----	31.00	9352
1.77	1.65	9.59	9.00	8.77	8.00	0.82	1.00	5.09	5.00	5.09	-----	29.30	9573
1.70	1.65	10.10	9.00	9.38	8.00	0.72	1.00	5.19	5.00	5.19	-----	27.00	9409
1.65	1.65	9.25	9.00	8.99	8.00	0.26	1.00	5.91	5.00	5.91	-----	32.00	8553
1.68	1.65	8.84	9.00	8.34	8.00	0.50	1.00	4.95	5.00	4.95	-----	29.00	7941
3.33	3.29	11.19	9.00	10.79	8.00	0.40	1.00	*6.45	7.00	6.45	-----	50.00	8375
*3.05	3.29	9.43	9.00	9.17	8.00	0.26	1.00	*6.68	7.00	6.68	-----	24.95	8152
3.30	3.29	9.02	9.00	8.72	8.00	0.30	1.00	6.96	7.00	6.96	-----	40.00	8552
1.49	1.65	14.16	13.00	13.48	12.00	0.68	1.00	2.11	2.00	2.11	-----	24.60	8155
1.76	1.65	13.19	13.00	12.41	12.00	0.78	1.00	2.34	2.00	2.34	-----	29.75	9572
1.96	1.65	12.93	13.00	12.21	12.00	0.72	1.00	2.89	2.00	2.89	-----	30.00	8554
1.63	1.65	10.96	10.00	10.56	9.00	0.40	1.00	2.91	3.00	2.91	-----	28.00	8204
1.11	0.82	9.71	9.00	8.71	8.00	1.00	1.00	4.89	5.00	4.89	-----	24.00	9410

*Deficient.

†Sold at the rate of 50 cents for 5 pounds.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From
8149	Patuxent Plant Food -----	Dillsburg Grain & Milling Co., Dillsburg -----
9411	Patuxent Plant Food -----	E. H. Peck, Nittany -----
8292	Patuxent Potato and Truck Guano -----	Briggs Brothers, Mt. Union -----
8377	Patuxent Potato and Truck Guano -----	Chaapels Seed Store, Williamsport -----
9472	Patuxent Pride of the Valley -----	Dillsburg Grain & Milling Co., Dillsburg -----
9859	Patuxent Tip Top Fertilizer -----	Chaapels Seed Store, Williamsport -----
8153	Patuxent Tip Top Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
9471	Patuxent Tip Top Fertilizer -----	Dillsburg Grain & Milling Co., Dillsburg -----
7939	Patuxent Tip Top Fertilizer -----	J. P. Walters, Vicksburg -----
PIEDMONT MT. AIRY GUANO CO., INC., BALTIMORE, MD.		
10071	Piedmont's Farmers Favorite 1-9-4 ----	Greenville Coal & Ice Co., Greenville -----
9517	Piedmont's Farmers Favorite 1-9-4 ----	Frank Keith, Broad Top -----
7968	Piedmont's Farmers Favorite 1-9-4 ----	H. B. Low & Son, Orangeville, -----
9822	Piedmont's Farmers Favorite 1-9-4 ----	H. B. Low & Son, Orangeville, -----
9130	Piedmont's Farmers Favorite 1-9-4 ----	R. M. Plyler, Summerville -----
7740	Piedmont's Farmers Favorite 1-9-4 ----	J. G. Simpson, Huntingdon -----
9315	Piedmont's Farmers Favorite 1-9-4 ----	A. H. Ulsh Sons, Millerstown -----
9516	Piedmont's High Grade Vegetable Grower 2-8-10 -----	Grover C. Keith, Broad Top -----
7964	Piedmont's High Grade Vegetable Grower 2-8-10 -----	H. B. Low & Son, Orangeville -----
9985	Piedmont's High Grade Vegetable Grower 2-8-10 -----	Edward F. Peters, Wapwallopen -----
10103	Piedmont's Perfection Guano 2-8-5 ----	Florence & Harner, Littlestown -----
9514	Piedmont's Perfection Guano 2-8-5 ----	Grover C. Keith, Broad Top -----
7967	Piedmont's Perfection Guano 2-8-5 ----	H. B. Low & Son, Orangeville -----
9824	Piedmont's Perfection Guano 2-8-5 ----	H. B. Low & Son, Orangeville -----
9986	Piedmont's Perfection Guano 2-8-5 ----	Edward F. Peters, Wapwallopen -----
7741	Piedmont's Perfection Guano 2-8-5 ----	J. G. Simpson, Huntingdon -----
8695	Piedmont's Standard 2-9-3 -----	Greenville Coal & Ice Co., Greenville -----
10018	Piedmont's 2-12-2 Fertilizer -----	Strickler & Gillan, Greencastle -----
7965	Piedmont's 2-12-4 Fertilizer -----	H. B. Low & Son, Orangeville -----
9825	Piedmont's 2-12-4 Fertilizer -----	H. B. Low & Son, Orangeville -----
8205	Piedmont's 4-8-7 Fertilizer -----	W. W. Kalb, Sunbury -----
8295	Piedmont's 4-8-7 Fertilizer -----	Smith Mill, Mt. Union -----
RASIN MONUMENTAL CO., SUB- SIDIARY OF THE VIRGINIA- CAROLINA CHEMICAL COR- PORATION, BALTIMORE, MD.		
9965	Rasin's Comet Grain and Grass Grower	J. J. Markle, State College -----
9328	Rasin's Comet Grain and Grass Grower	Mifflinburg Milling Co., Inc., Mifflinburg ----
8194	Rasin's Comet Grain and Grass Grower	Selinsgrove Coal & Farmers Supply Co., Selinsgrove -----
8231	Rasin's Double National Brand -----	S. T. Benninger, St. Johns -----
9331	Rasin's Double National Brand -----	Mifflinburg Milling Co., Inc., Mifflinburg ----
7893	Rasin's Double National Brand -----	D. F. Stahl, Latrobe -----
9832	Rasin's Double Royal Brand -----	H. B. Low & Son, Orangeville -----
7662	Rasin's Double Royal Brand -----	H. A. Snyder, Strawberry Ridge -----
9017	Rasin's Double Royal Brand -----	Frank Uplinger, Reynoldsville -----
8230	Rasin's High Grade Truck Compound --	S. T. Benninger, St. Johns -----
8477	Rasin's High Grade Truck Compound --	Ben. H. Levan, Catawissa -----
9178	Rasin's High Grade Truck Compound --	G. H. Miller, Sidman -----
8659	Rasin's High Grade Truck Compound --	J. S. Riley, New Castle -----
9177	Rasin's National Crop Compound -----	G. H. Miller, Sidman -----
7663	Rasin's National Crop Compound -----	H. A. Snyder, Strawberry Ridge -----
9290	Rasin's National Crop Compound -----	H. A. Snyder, Strawberry Ridge -----
7894	Rasin's National Crop Compound -----	D. F. Stahl, Latrobe -----
8127	Rasin's Royal Fish and Potash Mixture	J. L. Alcorn, Titusville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.97	1.65	13.13	13.00	12.39	12.00	0.74	1.00	4.33	4.00	4.33	-----	22.80	8149
1.74	1.65	14.49	13.00	13.43	12.00	1.06	1.00	4.55	4.00	4.55	-----	29.00	9411
3.12	3.29	9.02	9.00	8.78	8.00	0.24	1.00	7.09	4.00	7.09	-----	55.00	8292
3.35	3.29	9.30	9.00	8.54	8.00	0.36	1.00	7.06	4.00	7.06	-----	40.00	8577
3.22	3.29	13.69	13.00	13.09	12.00	0.60	1.00	4.25	4.00	4.25	-----	94.72	9472
1.83	1.65	8.78	9.00	8.16	8.00	0.62	1.00	10.31	10.00	10.31	-----	41.00	9854
1.65	1.65	9.26	9.00	8.90	8.00	0.36	1.00	*9.59	10.00	9.59	-----	29.15	8153
1.73	1.65	9.25	9.00	8.77	8.00	0.48	1.00	9.98	10.00	9.98	-----	33.70	9471
1.67	1.65	8.06	9.00	7.88	8.00	0.18	1.00	10.04	10.00	10.04	-----	35.00	7939
1.07	0.82	9.98	9.50	9.54	9.00	0.44	0.50	3.97	4.00	3.97	-----	28.00	10071
0.96	0.82	11.37	9.50	10.69	9.00	0.68	0.50	*3.48	4.00	3.48	-----	9517	
1.01	0.82	9.26	9.50	9.08	9.00	0.18	0.50	4.36	4.00	4.36	-----	23.50	7968
0.98	0.82	9.85	9.50	9.15	9.00	0.70	0.50	4.06	4.00	4.06	-----	23.00	9822
0.83	0.82	10.55	9.50	9.75	9.00	0.80	0.50	4.27	4.00	4.27	-----	24.50	9130
0.99	0.82	9.96	9.50	9.04	9.00	0.92	0.50	4.52	4.00	4.52	-----	28.00	7740
0.92	0.82	10.83	9.50	10.36	9.00	0.52	0.50	4.31	4.00	4.31	-----	24.00	9315
1.77	1.65	9.49	8.50	8.83	8.00	0.66	0.50	*8.08	10.00	8.08	-----	9516	
1.82	1.65	9.29	8.50	9.13	8.00	0.16	0.50	*9.48	10.00	9.48	-----	32.00	7964
1.71	1.65	8.81	8.50	8.27	8.00	0.54	0.50	9.87	10.00	9.87	-----	9985	
1.96	1.65	8.80	8.50	8.00	8.00	0.80	0.50	5.30	5.00	5.30	-----	10103	
1.76	1.65	9.03	8.50	8.39	8.00	0.64	0.50	5.26	5.00	5.26	-----	9514	
1.65	1.65	8.92	9.00	8.58	8.00	0.34	1.00	5.14	5.00	5.14	-----	27.00	7967
1.92	1.65	9.18	8.50	8.54	8.00	0.64	0.50	5.01	5.00	5.01	-----	26.50	9824
1.84	1.65	8.84	8.50	8.08	8.00	0.76	0.50	5.27	5.00	5.27	-----	9686	
1.74	1.65	9.03	8.50	8.63	8.00	0.40	0.50	5.29	5.00	5.29	-----	30.00	7741
1.90	1.65	10.38	9.50	9.98	9.00	0.40	0.50	3.24	3.00	3.24	-----	32.00	8695
1.93	1.65	13.04	12.50	12.38	12.00	0.66	0.50	2.29	2.00	2.29	-----	28.50	10018
2.33	1.65	12.99	12.50	12.71	12.00	0.28	0.50	4.45	4.00	4.45	-----	29.50	7965
1.83	1.65	12.53	12.50	11.97	12.00	0.56	0.50	4.64	4.00	4.64	-----	29.00	9825
3.30	3.29	9.20	8.50	8.82	8.00	0.38	0.50	7.64	7.00	7.64	-----	36.00	8205
*3.04	3.29	8.29	8.50	8.10	8.00	0.19	0.50	*5.94	7.00	5.94	-----	38.00	8295
1.90	1.65	14.76	13.00	13.06	12.00	1.70	1.00	4.12	4.00	4.12	-----	9965	
1.83	1.65	14.03	13.00	12.17	12.00	1.86	1.00	3.95	4.00	3.95	-----	30.75	9328
1.85	1.65	13.65	13.00	12.91	12.00	0.74	1.00	4.47	4.00	4.47	-----	31.00	8194
1.79	1.65	16.57	17.00	16.29	16.00	0.28	1.00	9.33	8.00	9.33	-----	29.00	8231
2.44	1.65	18.41	17.00	16.77	16.00	1.64	1.00	*7.33	8.00	7.33	-----	39.20	9331
1.82	1.65	17.03	17.00	16.21	16.00	0.82	1.00	8.09	8.00	7.50	0.59	41.60	7893
3.19	3.29	18.28	17.00	17.00	16.00	1.28	1.00	6.63	6.00	6.63	-----	43.50	9832
3.51	3.29	17.13	17.00	16.21	16.00	0.92	1.00	5.90	6.00	5.90	-----	40.00	7662
3.35	3.29	17.36	17.00	16.52	16.00	0.84	1.00	6.19	6.00	6.19	-----	48.25	9017
3.21	3.29	9.40	9.00	8.66	8.00	0.74	1.00	7.02	7.00	7.02	-----	33.00	8230
3.36	3.29	10.15	9.00	9.71	8.00	0.44	1.00	7.00	7.00	7.00	-----	35.50	8477
3.30	3.29	9.99	9.00	9.33	8.00	0.66	1.00	*6.74	7.00	6.74	-----	42.00	9178
3.39	3.29	9.15	9.00	8.17	8.00	0.98	1.00	7.43	7.00	7.43	-----	40.00	8659
1.12	0.82	11.33	10.00	10.47	9.00	0.86	1.00	3.93	4.00	3.93	-----	31.00	9177
1.14	0.82	11.56	10.00	9.80	9.00	1.76	1.00	4.00	4.00	4.00	-----	25.50	7663
1.09	0.82	12.22	10.00	10.44	9.00	1.78	1.00	3.91	4.00	2.60	1.91	25.50	9290
1.05	0.82	11.25	10.00	9.85	9.00	1.40	1.00	4.26	4.00	4.26	-----	42.30	7894
1.72	1.65	11.80	10.00	10.58	9.00	1.22	1.00	3.18	3.00	3.18	-----	32.00	8127

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8306	Rasin's Royal Fish and Potash Mixture	W. W. Book, Port Royal
9768	Rasin's Royal Fish and Potash Mixture	Bradford & Co., Center Hall
7674	Rasin's Royal Fish and Potash Mixture	Ralph Fuller, Turbotville
9329	Rasin's Royal Fish and Potash Mixture	Mifflinburg Milling Co., Inc., Mifflinburg
9694	Rasin's Royal Fish and Potash Mixture	Oxford Grain & Hay Co., Oxford
8658	Rasin's Royal Fish and Potash Mixture	J. S. Riley, New Castle
8092	Rasin's Royal Fish and Potash Mixture	J. K. Schultz Estate, Washington Boro
9016	Rasin's Royal Fish and Potash Mixture	Frank Uplinger, Reynoldsville
8476	Rasin's Seawall Truck Compound	Ben. H. Levan, Catawissa
9018	Rasin's Seawall Truck Compound	Frank Uplinger, Reynoldsville
7676	Rasin's Universal Crop Manure	Ralph Fuller Turbotville
8341	Rasin's Universal Crop Manure	J. J. Markle, State College
9827	Rasin's Universal Crop Manure	Mifflinburg Milling Co., Inc., Mifflinburg
9695	Rasin's Universal Crop Manure	Oxford Grain & Hay Co., Oxford
9964	Rasin's Universal Crop Manure	Roy Strouse, State College
8302	Rasin's Vegetable Special	W. W. Book, Port Royal
8264	Rasin's Vegetable Special	M. C. Deitz's Sons, Mechanicsburg
7673	Rasin's Vegetable Special	Ralph Fuller, Turbotville
9609	Rasin's Vegetable Special	Selinsgrove Coal & Farmers Supply Co., Selinsgrove
9015	Rasin's Vegetable Special	Frank Uplinger, Reynoldsville
7955	Rasin's Wm. Penn Potato Grower	H. B. Low & Son, Orangeville
9330	Rasin's Wm. Penn Potato Grower	Mifflinburg Milling Co., Inc., Mifflinburg
7895	Rasin's Wm. Penn Potato Grower	D. F. Stahl, Latrobe
9014	Rasin's Wm. Penn Potato Grower	Frank Uplinger, Reynoldsville
READING BONE FERTILIZER CO., READING, PA.		
7752	Blood Meat and Potash Mixture	Claybaugh Mill, Everett
9925	Blood Meat and Potash Mixture	H. D. Robb, Oakdale
10151	Reading All Crop Special	Gaskill Brothers, Fayette City
10122	Reading All Crop Special	S. C. Kreible, West Point
8648	Reading All Crop Special	John Raisley, Butler
7751	Reading 1-8-5	Claybaugh Mill, Everett
8509	Reading 1-8-5	William Willets, Calcium
8240	Reading 2-8-10	Augustave Boock, Conyngham
7767	Reading 2-8-10	Claybaugh Mill, Everett
10152	Reading 2-8-10	Gaskill Brothers, Fayette City
8242	Reading 3-8-5	Augustave Boock, Conyngham
8646	Reading 3-8-5	John L. Wise, Harmony
8241	Reading 4-8-6	Augustave Boock, Conyngham
7750	Reading 4-8-6	Claybaugh Mill, Everett
8647	Reading 4-12-5	John L. Wise, Harmony
ROBERT A. REICHARD, INC., ALLENTOWN, PA.		
8043	Reichard's Animal Base 2-8-5	Elias Beck, Leighton
9876	Reichard's Animal Base 2-8-5	Elias Beck, Leighton
8042	Reichard's Animal Base 2-8-10	Elias Beck, Leighton
9875	Reichard's Animal Base 2-8-10	Elias Beck, Leighton
7788	Reichard's Animal Base 2-8-10	Wm. Krause, Dallas
8039	Reichard's Animal Base 2-16-8	Elias Beck, Leighton
9873	Reichard's Animal Base 2-16-8	Elias Beck, Leighton
9264	Reichard's Animal Base 2-16-8	Robert A. Reichard, Inc., Allentown
9616	Reichard's Animal Base 2-16-8	Robert A. Reichard, Inc., Allentown
8041	Reichard's Animal Base 3-10-6	Elias Beck, Leighton
9874	Reichard's Animal Base 3-10-6	Elias Beck, Leighton
8748	Reichard's Animal Base 3-10-6	John Gerhard & Son, Orwigsburg
7786	Reichard's Animal Base 3-10-6	Wm. Krause, Dallas
8040	Reichard's Animal Base 4-8-8	Elias Beck, Leighton
8752	Reichard's Animal Base 4-8-8	John Gerhard & Son, Orwigsburg
7789	Reichard's Animal Base 4-8-8	Wm. Krause, Dallas

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.92	1.65	10.65	10.00	9.31	9.00	1.34	1.00	3.93	3.00	3.93	-----	-----	8306
1.98	1.65	11.63	10.00	9.97	9.00	1.66	1.00	3.70	3.00	3.70	-----	-----	9768
1.91	1.65	11.11	10.00	9.55	9.00	1.56	1.00	3.37	3.00	3.37	-----	28.60	7674
1.81	1.65	12.32	10.00	10.12	9.00	2.20	1.00	3.38	3.00	3.38	-----	27.20	9329
2.28	1.65	11.80	10.00	10.30	9.00	1.50	1.00	3.80	3.00	3.80	-----	27.00	9694
1.89	1.65	12.12	10.00	10.10	9.00	2.02	1.00	3.35	3.00	3.35	-----	29.00	8658
1.85	1.65	11.80	10.00	10.44	9.00	1.36	1.00	3.51	3.00	3.51	-----	-----	8092
1.90	1.65	11.88	10.00	10.44	9.00	1.44	1.00	3.37	3.00	3.37	-----	30.00	9016
4.15	4.11	10.49	9.00	10.07	8.00	0.42	1.00	5.90	5.00	5.90	-----	36.00	8476
4.14	4.11	10.98	9.00	9.90	8.00	1.08	1.00	5.78	5.00	5.78	-----	40.75	9018
1.80	1.65	9.48	9.00	8.34	8.00	1.14	1.00	5.62	5.00	5.62	-----	28.75	7676
1.85	1.65	10.43	9.00	9.33	8.00	1.10	1.00	5.52	5.00	5.52	-----	-----	8341
1.86	1.65	11.47	9.00	9.33	8.00	2.14	1.00	5.26	5.00	5.26	-----	28.35	9327
1.86	1.65	9.80	9.00	8.98	8.00	0.82	1.00	5.01	5.00	5.01	-----	28.00	9695
1.88	1.65	10.93	9.00	9.07	8.00	1.86	1.00	5.41	5.00	5.41	-----	-----	9964
1.81	1.65	10.37	9.00	8.95	8.00	1.42	1.00	10.02	10.00	10.02	-----	-----	8302
1.71	1.65	10.00	9.00	8.50	8.00	1.50	1.00	10.00	10.00	10.00	-----	34.00	8264
1.82	1.65	9.75	9.00	8.07	8.00	1.68	1.00	10.39	10.00	10.39	-----	34.00	7673
1.89	1.65	10.56	9.00	9.08	8.00	1.48	1.00	*9.52	10.00	9.52	-----	34.00	9609
1.81	1.65	10.23	9.00	8.85	8.00	1.38	1.00	10.16	10.00	10.16	-----	36.25	9015
3.27	3.29	12.74	13.00	12.12	12.00	0.62	1.00	5.49	5.00	5.49	-----	38.00	7955
3.39	3.29	14.12	13.00	12.68	12.00	1.44	1.00	5.01	5.00	5.01	-----	38.10	9330
3.30	3.29	13.56	13.00	12.90	12.00	0.66	1.00	5.37	5.00	5.37	-----	40.50	7895
3.64	3.29	13.78	13.00	12.92	12.00	0.86	1.00	5.55	5.00	5.55	-----	41.00	9014
*1.26	1.64	12.49	9.00	11.91	8.00	0.58	1.00	*3.28	4.00	3.28	-----	-----	7752
1.66	1.64	8.52	9.00	7.94	8.00	0.58	1.00	4.16	4.00	4.16	-----	32.50	9925
2.05	1.64	10.79	11.00	*9.69	10.00	1.10	1.00	6.67	6.00	6.67	-----	31.85	10151
1.92	1.64	11.19	11.00	10.25	10.00	0.94	1.00	6.14	6.00	6.14	-----	34.00	10122
1.56	1.64	12.49	11.00	11.97	10.00	0.52	1.00	*5.13	6.00	5.13	-----	30.00	8648
1.27	0.82	9.83	9.00	9.37	8.00	0.46	1.00	*4.58	5.00	4.58	-----	28.00	7751
0.91	0.82	9.25	9.00	8.95	8.00	0.30	1.00	5.18	5.00	5.18	-----	27.00	8509
1.74	1.64	9.96	9.00	8.98	8.00	0.98	1.00	*9.28	10.00	9.28	-----	-----	8240
1.66	1.64	9.61	9.00	8.61	8.00	1.00	1.00	*9.22	10.00	9.22	-----	-----	7767
1.77	1.64	9.67	9.00	8.71	8.00	0.96	1.00	*9.56	10.00	9.56	-----	34.15	10152
*1.86	2.46	11.23	9.00	10.57	8.00	0.66	1.00	*4.57	5.00	4.57	-----	-----	8242
*2.10	2.46	10.97	9.00	10.41	8.00	0.56	1.00	*4.74	5.00	4.74	-----	33.00	8646
*2.89	3.29	10.32	9.00	9.72	8.00	0.60	1.00	*5.76	6.00	5.76	-----	-----	8241
*2.80	3.29	9.61	9.00	8.99	8.00	0.62	1.00	*5.66	6.00	5.66	-----	40.00	7750
3.55	3.29	13.69	13.00	12.13	12.00	1.56	1.00	5.62	5.00	5.62	-----	37.00	8647
1.66	1.64	8.76	9.00	8.52	8.00	0.24	1.00	5.02	5.00	5.02	-----	30.00	8043
1.79	1.64	8.43	9.00	7.83	8.00	0.60	1.00	5.43	5.00	5.43	-----	-----	9876
1.69	1.64	9.17	9.00	8.85	8.00	0.32	1.00	*9.67	10.00	9.67	-----	34.00	8042
1.70	1.64	8.27	9.00	7.81	8.00	0.46	1.00	10.00	10.00	10.00	-----	-----	9875
1.70	1.64	9.16	9.00	8.72	8.00	0.44	1.00	9.82	10.00	9.82	-----	32.75	7788
1.70	1.64	18.02	17.00	17.06	16.00	0.96	1.00	8.37	8.00	8.37	-----	40.20	8039
1.51	1.64	16.89	17.00	16.19	16.00	0.70	1.00	8.82	8.00	8.82	-----	-----	9873
1.83	1.64	17.93	17.00	17.03	16.00	0.90	1.00	8.13	8.00	8.13	-----	-----	9264
1.77	1.64	17.64	17.00	17.02	16.00	0.62	1.00	8.56	8.00	8.56	-----	-----	9616
2.53	2.46	10.75	11.00	10.21	10.00	0.54	1.00	6.52	6.00	6.52	-----	35.00	8041
2.65	2.46	10.47	11.00	10.11	10.00	0.36	1.00	6.04	5.00	6.04	-----	-----	9874
2.56	2.46	11.49	11.00	10.09	10.00	1.40	1.00	5.85	6.00	5.85	-----	-----	8748
2.62	2.46	11.54	11.00	10.46	10.00	1.08	1.00	5.83	6.00	5.83	-----	33.75	7786
3.30	3.28	9.38	8.00	9.04	8.00	0.34	-----	8.00	8.00	8.00	-----	39.00	8040
3.31	3.28	8.92	9.00	8.38	8.00	0.54	1.00	7.84	8.00	7.84	-----	-----	8752
3.18	3.28	8.60	9.00	8.30	8.00	0.30	1.00	8.60	8.00	8.60	-----	38.00	7789

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From--
F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.		
8175	Royster's Arrow 7% Potato Guano ----	Chas. Huston & Brother, Three Springs ----
9857	Royster's Banner Guano 2-8-10 -----	Chaaapels Seed Store, Williamsport -----
8074	Royster's Banner Guano 2-8-10 -----	Ord J. Dohl, Shickshinny -----
7918	Royster's Banner Guano 2-8-10 -----	Farmers Exehange, Indiana -----
8115	Royster's Banner Guano 2-8-10 -----	Franklin Feed & Supply Co., Franklin -----
9904	Royster's Banner Guano 2-8-10 -----	H. B. George, Sligo -----
8356	Royster's Banner Guano 2-8-10 -----	L. W. Hill, Williamsport -----
7970	Royster's Banner Guano 2-8-10 -----	Millbrand Brothers, Paxinos -----
9600	Royster's Banner Guano 2-8-10 -----	O. O. Ortwine, Millville -----
8384	Royster's Bully Guano 2-8-5 -----	Elwood R. Chambers, Elkview -----
8067	Royster's Bully Guano 2-8-5 -----	Ord J. Dohl, Shickshinny -----
7709	Royster's Bully Guano 2-8-5 -----	W. H. Dreibelbes, Shoemakersville -----
9628	Royster's Bully Guano 2-8-5 -----	W. H. Dreibelbes, Shoemakersville -----
9539	Royster's Bully Guano 2-8-5 -----	Arthur S. Eiseman, Meadville -----
8174	Royster's Bully Guano 2-8-5 -----	Chas. Huston & Brother, Three Springs ----
9025	Royster's Bully Guano 2-8-5 -----	Ridgway Grist Mill, Ridgway -----
8721	Royster's Bully Guano 2-8-5 -----	Roaring Springs Feed & Coal Co., Roaring Springs -----
9486	Royster's Bully Guano 2-8-5 -----	B. M. Secules, Marn Glen -----
9579	Royster's Bully Guano 2-8-5 -----	J. H. Strickler & Brother, Mifflinburg -----
9856	Royster's Curlew Guano 3-10-6 -----	Chaaapels Seed Store, Williamsport -----
7996	Royster's Curlew Guano 3-10-6 -----	Exton Supply Co., Exton -----
10063	Royster's Curlew Guano 3-10-6 -----	Farmers Supply Co., New Castle -----
8674	Royster's Curlew Guano 3-10-6 -----	B. V. Haefner, Wexford -----
8215	Royster's Curlew Guano 3-10-6 -----	O. O. Ortwine, Millville -----
9098	Royster's Curlew Guano 3-10-6 -----	H. M. Shearer, New Alexandria -----
8993	Royster's Curlew Guano 3-10-6 -----	Youngsville Milling Co., Youngsville -----
10154	Royster's Fish, Flesh and Fowl 2-9-3 --	C. L. Ayers, Cannonsburg -----
9627	Royster's Fish, Flesh and Fowl 2-9-3 --	W. H. Dreibelbis, Shoemakersville -----
9540	Royster's Fish, Flesh and Fowl 2-9-3 --	Arthur S. Eiseman, Meadville -----
9437	Royster's Fish, Flesh and Fowl 2-9-3 --	Gates Estate Granary, Kittanning -----
9157	Royster's Fish, Flesh and Fowl 2-9-3 --	J. A. Hamilton, Imperial -----
10080	Royster's Fish, Flesh and Fowl 2-9-3 --	Leechburg Flour Mill, Leechburg -----
9082	Royster's Fish, Flesh and Fowl 2-9-3 --	Evan H. McBroom, Derry -----
7971	Royster's Fish, Flesh and Fowl 2-9-3 --	Millbrand Brothers, Paxinos -----
9599	Royster's Fish, Flesh and Fowl 2-9-3 --	O. O. Ortwine, Millville -----
9485	Royster's Fish, Flesh and Fowl 2-9-3 --	B. M. Secules, Marn Glen -----
8307	Royster's Fish, Flesh and Fowl 2-9-3 --	N. E. Shellenberger, Oakland Mills -----
9168	Royster's Fish, Flesh and Fowl 2-9-3 --	A. Skelly, Ebensburg -----
7708	Royster's Gem Guano 2-12-4 -----	W. H. Dreibelbis, Shoemakersville -----
9626	Royster's Gem Guano 2-12-4 -----	W. H. Dreibelbis, Shoemakersville -----
7917	Royster's Gem Guano 2-12-4 -----	Farmers Exchange, Indiana -----
8675	Royster's Gem Guano 2-12-4 -----	B. V. Haefner, Wexford -----
10078	Royster's Gem Guano 2-12-4 -----	King Co., Grove City -----
9685	Royster's Gem Guano 2-12-4 -----	H. A. Mendenhall, Toughkenamon -----
10138	Royster's Gem Guano 2-12-4 -----	J. M. Nicholl, Bentleyville -----
9598	Royster's Gem Guano 2-12-4 -----	O. O. Ortwine, Millville -----
8209	Royster's Gem Guano 2-12-4 -----	Robert S. Smith, Unityville -----
8353	Royster's Prize Guano 4-8-10 -----	L. W. Hill, Williamsport -----
9855	Royster's Quality Trucker 4-8-7 -----	Chaaapels Seed Store, Williamsport -----
8069	Royster's Quality Trucker 4-8-7 -----	Ord J. Dohl, Shickshinny -----
7710	Royster's Quality Trucker 4-8-7 -----	W. H. Dreibelbis, Shoemakersville -----
8114	Royster's Quality Trucker 4-8-7 -----	Franklin Feed & Supply Co., Franklin -----
8774	Royster's Quality Trucker 4-8-7 -----	D. E. Goodenough & Sons, Coudersport -----
9088	Royster's Quality Trucker 4-8-7 -----	Parnassus Hardware Co., Parnassus -----
8719	Royster's Quality Trucker 4-8-7 -----	Roaring Springs Feed & Coal Co., Roaring Springs -----
10153	Royster's Rational Guano 1-9-4 -----	C. L. Ayers, Cannonsburg -----
9537	Royster's Rational Guano 1-9-4 -----	Arthur S. Eiseman, Meadville -----
7919	Royster's Rational Guano 1-9-4 -----	Farmers Exehange, Indiana -----
9436	Royster's Rational Guano 1-9-4 -----	Gates Estate Granary, Kittanning -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
5.62	5.75	7.60	6.50	7.26	6.00	0.24	0.50	5.11	5.00	5.11	-----	48.00	8175
1.88	1.65	8.92	8.50	8.30	8.00	0.62	0.50	10.67	10.00	10.67	-----	41.00	9857
1.73	1.65	9.49	8.50	8.91	8.00	0.58	0.50	9.90	10.00	9.90	-----	32.65	8074
1.60	1.65	10.04	8.50	9.08	8.00	0.96	0.50	10.27	10.00	10.27	-----	37.50	7918
1.65	1.65	9.57	8.50	8.87	8.00	0.70	0.50	10.53	10.00	10.53	-----	38.50	8115
1.65	1.65	8.81	8.50	8.33	8.00	0.48	0.50	10.72	10.00	10.72	-----	34.00	9904
1.75	1.65	10.26	8.50	9.28	8.00	0.98	0.50	9.97	10.00	9.97	-----	34.15	8356
1.56	1.65	9.10	8.50	8.68	8.00	0.42	0.50	10.17	10.00	10.17	-----	35.00	7970
1.66	1.65	9.35	8.50	8.89	8.00	0.46	0.50	10.42	10.00	10.42	-----	34.41	9600
1.78	1.65	9.64	8.50	8.54	8.00	1.10	0.50	5.40	5.00	5.40	-----	29.00	8384
1.75	1.65	8.80	8.50	8.36	8.00	0.44	0.50	5.15	5.00	5.15	-----	27.65	8067
1.66	1.65	9.22	8.50	8.18	8.00	1.04	0.50	*4.72	5.00	4.72	-----	27.50	7709
1.67	1.65	9.50	8.50	8.96	8.00	0.54	0.50	5.24	5.00	5.24	-----	27.50	9628
1.71	1.65	9.55	8.50	8.99	8.00	0.56	0.50	5.12	5.00	5.12	-----	32.00	9539
1.71	1.65	9.43	8.50	9.03	8.00	0.40	0.50	4.91	5.00	4.91	-----	33.00	8174
1.88	1.65	9.91	8.50	9.49	8.66	0.42	0.50	5.17	5.00	5.17	-----	36.00	9025
1.79	1.65	9.32	8.50	9.02	8.00	0.30	0.50	5.50	5.00	5.50	-----	31.00	8721
1.68	1.65	9.27	8.50	8.81	8.00	0.46	0.50	5.22	5.00	5.22	-----	28.65	9486
1.68	1.65	9.31	8.50	8.87	8.00	0.44	0.50	5.34	5.00	5.34	-----	26.79	9579
2.72	2.47	11.33	10.50	10.51	10.00	0.82	0.50	6.29	6.00	6.29	-----	40.00	9856
2.56	2.47	11.51	10.50	10.93	10.00	0.53	0.50	6.04	6.00	6.04	-----	33.80	7996
2.47	2.47	11.60	10.50	11.08	10.00	0.52	0.50	6.37	6.00	6.37	-----	37.50	10063
2.87	2.47	11.61	10.50	10.71	10.00	0.90	0.50	6.94	6.00	6.24	-----	42.00	8674
2.57	2.47	11.54	10.50	11.18	10.00	0.36	0.50	6.45	6.00	6.45	-----	37.25	8215
2.49	2.47	11.79	10.50	10.91	10.00	0.88	0.50	6.03	6.00	6.03	-----	39.00	9098
2.67	2.47	11.95	10.50	11.23	10.00	0.72	0.50	6.83	6.00	6.83	-----	40.00	8993
1.78	1.65	10.73	9.50	9.77	9.00	0.96	0.50	3.43	3.00	3.43	-----	33.00	10154
1.70	1.65	10.26	9.50	9.78	9.00	0.48	0.50	3.30	3.00	3.30	-----	26.50	9627
1.66	1.65	10.51	9.50	9.95	9.00	0.56	0.50	3.19	3.00	3.19	-----	32.50	9540
1.82	1.65	11.17	9.50	10.63	9.00	0.54	0.50	3.30	3.00	3.30	-----	30.50	9437
1.80	1.65	10.80	9.50	9.92	9.00	0.88	0.50	2.88	3.00	2.88	-----	32.50	9157
1.74	1.65	10.17	9.50	9.67	9.00	0.50	0.50	3.47	3.00	3.47	-----	28.40	10080
1.80	1.65	10.68	9.50	10.10	9.00	0.58	0.50	3.30	3.00	3.30	-----	30.00	9082
1.72	1.65	10.54	9.50	10.06	9.00	0.48	0.50	3.33	3.00	3.33	-----	29.00	7971
1.72	1.65	10.51	9.50	9.69	9.00	0.82	0.50	3.29	3.00	3.29	-----	28.00	9590
1.62	1.65	10.03	9.50	9.47	9.00	0.56	0.50	3.18	3.00	3.18	-----	27.50	9485
1.80	1.65	10.60	9.50	9.90	9.00	0.70	0.50	3.59	3.00	3.59	-----	26.00	8307
1.80	1.65	10.74	9.50	10.00	9.00	0.74	0.50	3.22	3.00	3.22	-----	32.00	9168
1.95	1.65	13.27	12.50	12.21	12.00	1.06	0.50	4.77	4.00	4.77	-----	30.00	7708
1.77	1.65	13.39	12.50	12.57	12.00	0.82	0.50	4.50	4.00	4.50	-----	30.00	9626
1.69	1.65	14.15	12.50	13.35	12.00	0.80	0.50	4.31	4.00	4.31	-----	35.00	7917
1.83	1.65	13.73	12.50	13.09	12.00	0.64	0.50	4.51	4.00	4.51	-----	35.00	8675
1.74	1.65	13.59	12.50	12.67	12.00	0.92	0.50	4.42	4.00	4.42	-----	-----	10078
1.87	1.65	13.51	12.50	12.69	12.00	0.82	0.50	4.69	4.00	4.69	-----	29.00	9685
1.71	1.65	13.36	12.50	12.44	12.00	0.92	0.50	4.55	4.00	4.55	-----	30.75	10138
1.82	1.65	13.78	12.50	12.82	12.00	0.96	0.50	4.28	4.00	4.28	-----	31.83	9538
2.07	1.65	13.70	12.50	13.08	12.00	0.62	0.50	4.18	4.00	4.18	-----	30.85	8209
3.29	3.29	10.32	8.50	9.24	8.00	1.08	0.50	11.76	10.00	11.76	-----	40.55	8357
3.39	3.29	9.77	8.50	9.21	8.00	0.56	0.50	*6.70	7.00	6.70	-----	50.00	9855
3.35	3.29	9.90	8.50	9.34	8.00	0.56	0.50	7.54	7.00	7.54	-----	36.05	8069
3.38	3.29	9.18	8.50	8.08	8.00	1.10	0.50	7.15	7.00	7.15	-----	26.00	7710
3.26	3.29	9.78	8.50	9.42	8.00	0.36	0.50	7.67	7.00	7.67	-----	42.00	8114
3.35	3.29	10.05	8.50	9.67	8.00	0.38	0.50	7.67	7.00	7.67	-----	39.00	8774
3.44	3.29	9.99	8.50	9.31	8.00	0.68	0.50	7.72	7.00	7.72	-----	39.75	9038
3.50	3.29	10.17	8.50	9.13	8.00	1.04	0.50	7.33	7.00	7.33	-----	39.25	8719
1.01	0.82	10.79	9.50	9.93	9.00	0.86	0.50	4.66	4.00	4.66	-----	29.00	10153
0.98	0.82	10.46	9.50	9.90	9.00	0.56	0.50	4.49	4.00	4.49	-----	36.00	9537
0.97	0.82	10.51	9.50	9.87	9.00	0.64	0.50	4.05	4.00	4.05	-----	31.00	7919
1.11	0.82	10.47	9.50	9.65	9.00	0.82	0.50	4.47	4.00	4.47	-----	28.50	9436

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9775	Royster's Rational Guano 1-9-4 -----	Geo. Hosterman, Spring Mills -----
8923	Royster's Rational Guano 1-9-4 -----	Loucks Hardware, Connellsville -----
7969	Royster's Rational Guano 1-9-4 -----	Milbrand Brothers, Paxinos -----
8720	Royster's Rational Guano 1-9-4 -----	Roaring Springs Feed & Coal Co. Roaring Springs -----
9580	Royster's Rational Guano 1-9-4 -----	J. H. Strickler & Brother, Mifflinburg -----
8468	Royster's Trojan Guano 4-12-4 -----	Aeme Milling Co., Cochranton -----
8924	Royster's Trojan Guano 4-12-4 -----	Loucks Hardware, Connellsville -----
7997	Royster's Trojan Guano 4-12-4 -----	H. A. Mendenhall, Toughkenamon -----
8955	Royster's Truckers Delight 4-8-4 -----	Billings & Kelder, New Albany -----
9027	Royster's Truckers Delight 4-8-4 -----	Ridgway Grist Mill, Ridgway -----
9097	Royster's Truckers Delight 4-8-4 -----	H. M. Shearer, New Alexandria -----
8224	Royster's Verbena Guano 5-8-5 -----	George Dodson, Shickshinny -----
7706	Royster's Verbena Guano 5-8-5 -----	W. H. Dreibelbis, Shoemakersville -----
8994	Royster's Verbena Guano 5-8-5 -----	Youngsville Milling Co., Youngsville -----
8558	Royster's Vim Guano 2-12-2 -----	J. A. Gardner, Moscow -----
8207	Royster's Vim Guano 2-12-2 -----	W. W. Kalb, Sunbury -----
9790	Royster's 2-16-8 Fertilizer -----	M. L. Bates, Goldsboro -----
9992	Royster's 2-16-8 Fertilizer -----	Marvin Cope, Berwick -----
7921	Royster's 4-16-4 Fertilizer -----	Farmers Exchange, Indiana -----
10137	Royster's 4-16-4 Fertilizer -----	J. M. Nicholl, Bentleyville -----
9991	Royster's 4-16-10 Fertilizer -----	Marvin Cope, Berwick -----
10136	Royster's 10-16-14 Fertilizer -----	J. M. Nicholl, Bentleyville -----
8214	Royster's 10-16-14 Fertilizer -----	O. O. Ortwine, Millville -----
E. W. RUPERT, OXFORD, PA.		
8396	Complete Potato Manure -----	E. W. Rupert, Oxford -----
8394	Royal Plant Food -----	E. W. Rupert, Oxford -----
9690	Royal Plant Food -----	E. W. Rupert, Oxford -----
8395	Sure Crop -----	E. W. Rupert, Oxford -----
9691	Sure Crop -----	E. W. Rupert, Oxford -----
SHIPPENSBURG FERTILIZER CO., SHIPPENSBURG, PA.		
7589	Old Reliable Commonwealth Brand ----	Shippensburg Fertilizer Co., Shippensburg ----
10035	Old Reliable Commonwealth Brand ----	Shippensburg Fertilizer Co., Shippensburg ----
7588	Old Reliable Tip-Top Mixture -----	Shippensburg Fertilizer Co., Shippensburg ----
10034	Old Reliable Tip-Top Mixture -----	Shippensburg Fertilizer Co., Shippensburg ----
M. L. SHOEMAKER & CO., INC. PHILADELPHIA, PA.		
8804	Shoemaker's Swift-Sure 3-8-3 Superphosphate General Use -----	M. L. Shoemaker & Co., Inc., Philadelphia --
8806	Shoemaker's Swift-Sure 4-8-5 Superphosphate Potato No. 1 -----	M. L. Shoemaker & Co., Inc., Philadelphia --
8805	Shoemaker's Swift-Sure 5-8-7 Superphosphate Potato Special -----	M. L. Shoemaker & Co., Inc., Philadelphia --
SHUR-GRO FERTILIZER CORPORATION, SHARPSBURG, PA.		
9214	Shur-Gro -----	D. G. Ramsey & Son, New Castle -----
THE SMITH AGRICULTURAL CHEMICAL CO., COLUMBUS, OHIO.		
8453	Smith's Sacco 2-12-2 -----	L. A. Glessman, Conneautville -----
9001	Smith's Sacco Plant Food 4-12-4 -----	Chisholm & Son, McKean -----
7803	Smith's Sacco Plant Food 4-12-4 -----	Gallagher & Stevick, Wilkes-Barre -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.98	0.82	10.72	9.50	10.14	9.00	0.58	0.50	4.23	4.00	4.23	-----	26.30	9775
0.97	0.82	10.17	9.50	9.67	9.00	0.50	0.50	4.44	4.00	4.44	-----	26.30	8923
0.97	0.82	10.23	9.50	9.87	9.00	0.36	0.50	4.39	4.00	4.39	-----	27.00	7969
1.23	0.82	10.79	9.50	10.07	9.00	0.72	0.50	4.00	4.00	4.00	-----	27.50	8720
0.83	0.82	10.42	9.50	9.90	9.00	0.52	0.50	4.35	4.00	4.35	-----	23.66	9580
3.56	3.29	13.60	12.50	13.24	12.00	0.36	0.50	4.31	4.00	4.31	-----	38.70	8468
3.36	3.29	13.19	12.50	12.59	12.00	0.60	0.50	4.31	4.00	4.31	-----	38.45	8924
3.25	3.29	13.30	12.50	12.80	12.00	0.50	0.50	4.00	4.00	4.00	-----	38.00	7997
3.38	3.29	9.38	8.50	8.90	8.00	0.48	0.50	4.07	4.00	4.07	-----	34.00	8955
3.37	3.29	9.13	8.50	8.81	8.00	0.32	0.50	4.21	4.00	4.21	-----	42.00	9027
3.49	3.29	9.48	8.50	8.90	8.00	0.58	0.50	4.24	4.00	4.24	-----	39.00	9007
4.59	4.11	10.19	8.50	8.91	8.00	1.28	0.50	*4.80	5.00	4.80	-----	36.80	8224
4.05	4.11	8.80	8.50	8.20	8.00	0.60	0.50	5.15	5.00	5.15	-----	39.00	7706
4.01	4.11	9.22	8.50	8.94	8.00	0.28	0.50	5.16	5.00	5.16	-----	44.00	8994
1.78	1.65	13.67	12.50	13.15	12.00	0.52	0.50	2.75	2.00	2.75	-----	29.40	8553
1.74	1.65	12.51	12.50	12.09	12.00	0.42	0.50	3.35	2.00	3.35	-----	28.00	8207
1.94	1.65	17.34	16.50	16.94	16.00	0.40	0.50	8.65	8.00	8.65	-----	35.10	9790
1.85	1.65	17.31	16.50	16.73	16.00	0.58	0.50	8.55	8.00	8.55	-----	35.00	9992
3.40	3.29	16.84	16.50	16.40	16.00	0.44	0.50	4.44	4.00	4.44	-----	45.00	7921
3.32	3.29	18.05	16.50	17.47	16.00	0.58	0.50	4.18	4.00	4.18	-----	40.75	10137
3.14	3.29	17.65	16.50	17.29	16.00	0.36	0.50	10.21	10.00	10.21	-----	34.00	9991
*7.90	8.22	17.68	16.50	17.32	16.00	0.36	0.50	16.21	14.00	16.21	-----	10136	10136
*6.74	8.22	16.75	16.50	16.21	16.00	0.44	0.50	14.57	14.00	14.57	-----	80.00	8214
2.32	2.47	9.83	9.00	9.19	8.00	0.64	1.00	9.86	10.00	9.86	-----	38.00	8356
1.72	1.65	13.75	11.00	11.93	10.00	1.82	1.00	*4.56	5.00	4.56	-----	38.00	8394
1.82	1.65	15.05	11.00	12.75	10.00	2.30	1.00	5.82	5.00	5.82	-----	37.00	9690
2.12	1.65	9.10	9.00	8.76	8.00	0.34	1.00	5.20	5.00	5.20	-----	28.00	8395
1.88	1.65	9.34	9.00	8.80	8.00	0.54	1.00	5.06	5.00	5.06	-----	28.00	9691
1.21	0.82	9.96	9.50	9.24	9.00	0.72	0.50	3.88	4.00	3.88	-----	25.50	7589
1.23	0.82	10.51	9.50	9.27	9.00	1.24	0.50	4.65	4.00	4.65	-----	23.00	10035
1.80	1.65	10.10	8.50	9.44	8.00	0.36	0.50	5.86	5.00	5.86	-----	29.00	7583
1.65	1.65	9.46	8.50	8.42	8.00	1.04	0.50	5.11	5.00	5.11	-----	27.00	10934
2.56	2.46	9.11	9.00	8.53	8.00	0.58	1.00	3.61	3.00	3.61	-----	26.05	8804
3.52	3.28	9.50	9.00	8.56	8.00	0.94	1.00	4.82	5.00	4.82	-----	30.70	8806
4.42	4.10	9.68	9.00	8.48	8.00	1.20	1.00	*6.64	7.00	6.64	-----	35.75	8805
3.07	3.00	9.01	8.50	8.91	8.00	0.10	0.50	14.07	12.00	14.07	-----	‡	9214
2.20	2.00	13.32	-----	12.74	12.00	0.58	-----	2.20	2.00	2.20	-----	22.00	8453
4.20	4.00	13.16	12.50	12.88	12.00	0.28	0.50	3.84	4.00	3.84	-----	38.00	9001
4.21	4.00	12.25	12.50	*11.55	12.00	0.70	0.50	4.59	4.00	3.70	0.89	\$	7803

*Deficient.

‡Sold at the rate of \$3.00 for 50 lbs.

§Sold at the rate of 25 cents per can.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
SOMERSET COUNTY FERTILIZER WORKS, SOMERSET, PA.		
9205	Beaver Brand 2-8-5 -----	Somerset County Fertilizer Works, Somerset --
9749	Beaver Brand 2-8-5 -----	Somerset County Fertilizer Works, Somerset --
9206	Beaver Brand 2-8-10 -----	Somerset County Fertilizer Works, Somerset --
9752	Beaver Brand 2-8-10 -----	Somerset County Fertilizer Works, Somerset --
9203	Beaver Brand 2-12-2 -----	Somerset County Fertilizer Works, Somerset --
9208	Beaver Brand 4-8-7 -----	Somerset County Fertilizer Works, Somerset --
STANDARD CHEMICAL WORKS, INC., READING PA.		
7669	1-9-4 Tankage and Potash Mixture ----	J. C. Benfield, Milton -----
9639	1-9-4 Tankage and Potash Mixture ----	M. K. Focht, Bernville -----
8181	1-9-4 Tankage and Potash Mixture ----	H. E. Huston, Saltillo -----
8901	2-8-5 Peerless Mixture -----	Adams County Farm Bureau, Gettysburg ----
7827	2-8-5 Peerless Mixture -----	J. C. Benfield, Milton -----
9708	2-8-5 Peerless Mixture -----	Fruit Growers of Chester County, West Chester
8063	2-8-5 Peerless Mixture -----	Gibbs Milling Co., Nanticoke -----
10041	2-8-5 Peerless Mixture -----	Ben. H. Levan, Numidia -----
7868	2-8-5 Peerless Mixture -----	Wm. Westrick, Patton -----
7991	2-8-10 Potato and Truck Special -----	Fruit Growers of Chester County, West Chester
8062	2-8-10 Potato and Truck Special -----	Gibbs Milling Co., Nanticoke -----
8046	2-8-10 Potato and Truck Special -----	Irvin Leshner, Hamburg -----
10042	2-8-10 Potato and Truck Special -----	Ben. H. Levan, Numidia -----
9494	2-8-10 Potato and Truck Special -----	McConnell Brothers, Hughesville -----
7874	2-8-10 Potato and Truck Special -----	Wm. Westrick, Patton -----
9637	2-9-3 Fish and Potash -----	M. K. Focht, Bernville -----
10043	2-9-3 Fish and Potash -----	Ben. H. Levan, Numidia -----
9493	2-9-3 Fish and Potash -----	McConnell Brothers, Hughesville -----
7661	2-12-2 All Crops -----	J. C. Benfield, Milton -----
9640	2-12-2 All Crops -----	M. K. Focht, Bernville -----
8559	2-12-2 All Crops -----	Gay-Murray Co., Inc., Tunkhannock -----
7869	2-12-2 All Crops -----	Wm. Westrick, Patton -----
7659	2-12-4 Fish Guano -----	J. C. Benfield, Milton -----
9707	2-12-4 Fish Guano -----	Fruit Growers of Chester County, West Chester
9495	2-12-4 Fish Guano -----	McConnell Brothers, Hughesville -----
10132	2-12-4 Fish Guano -----	Star Milling Co., Clymer -----
7873	2-12-4 Fish Guano -----	Wm. Westrick, Patton -----
7667	2-12-6 Tip Top -----	J. C. Benfield, Milton -----
9638	2-12-6 Tip Top -----	M. K. Focht, Bernville -----
9705	2-12-6 Tip Top -----	Fruit Growers of Chester County, West Chester
10044	2-12-6 Tip Top -----	Ben. H. Levan, Numidia -----
7978	3-12-5 Banner Potato -----	C. F. Krick, Paxinos -----
7871	3-12-5 Banner Potato -----	Wm. Westrick, Patton -----
7825	4-8-6 Cheapest in the End -----	J. C. Benfield, Milton -----
9641	4-8-6 Cheapest in the End -----	M. K. Focht, Bernville -----
7992	4-8-6 Cheapest in the End -----	Fruit Growers of Chester County, West Chester
8064	4-8-6 Cheapest in the End -----	Gibbs Milling Co., Nanticoke -----
8045	4-8-6 Cheapest in the End -----	Irvin Leshner, Hamburg -----
8022	4-8-6 Cheapest in the End -----	Ritters Mill, St. Marys -----
7872	4-8-6 Cheapest in the End -----	Wm. Westrick, Patton -----
9636	4-12-4 Big Crop -----	M. K. Focht, Bernville -----
7993	4-12-4 Big Crop -----	Fruit Growers of Chester County, West Chester
9706	4-12-4 Big Crop -----	Fruit Growers of Chester County, West Chester
7870	4-16-4 Double Strength -----	Wm. Westrick, Patton -----
8826	5-8-7 Fertilizer -----	Murray Co., Honesdale -----
8560	5-10-5 Truckers Success -----	Gay-Murray Co., Inc., Tunkhannock -----
10045	5-10-5 Truckers Success -----	Ben. H. Levan, Numidia -----
9281	5-10-5 Truckers Success -----	Murray Co., Honesdale -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.69	1.65	9.13	8.50	8.69	8.00	0.44	9.50	5.22	5.00	5.22	-----	27.00	9205
1.65	1.65	9.08	8.50	8.54	8.00	0.54	0.50	5.20	5.00	5.20	-----	28.00	9749
1.65	1.65	9.48	8.50	8.76	8.00	0.72	0.50	10.10	10.00	10.10	-----	31.00	9206
1.65	1.65	8.99	8.50	8.85	8.00	0.14	0.50	10.85	10.00	10.85	-----	32.50	9752
1.73	1.65	13.06	12.50	12.50	12.00	0.56	0.50	2.06	2.00	2.06	-----	27.00	9203
3.39	3.29	9.67	8.50	8.91	8.00	0.76	0.50	7.26	7.00	7.26	-----	35.50	9208
0.96	0.82	9.77	10.00	9.57	9.00	0.20	1.00	4.09	4.00	4.09	-----	24.50	7669
0.87	0.82	10.49	10.00	9.97	9.00	0.52	1.00	4.25	4.00	4.25	-----	25.00	9639
0.85	0.82	10.54	10.00	10.12	9.00	0.42	1.00	4.25	4.00	4.25	-----	-----	8181
1.47	1.64	10.60	9.00	9.90	8.00	0.70	1.00	*4.23	5.00	4.23	-----	26.25	8901
1.53	1.64	9.27	9.00	8.63	8.00	0.64	1.00	4.82	5.00	4.82	-----	27.00	7827
1.74	1.64	9.43	9.00	8.91	8.00	0.52	1.00	4.95	5.00	4.95	-----	23.40	9703
1.45	1.64	10.20	9.00	9.62	8.00	0.58	1.00	*4.34	5.00	4.34	-----	34.00	8063
1.66	1.64	9.22	9.00	8.10	8.00	1.12	1.00	5.05	5.00	5.05	-----	26.00	10041
1.70	1.64	8.66	9.00	8.48	8.00	0.18	1.00	5.21	5.00	5.21	-----	28.65	7868
1.54	1.64	9.21	9.00	8.89	8.00	0.32	1.00	9.87	10.00	9.87	-----	32.00	7991
1.66	1.64	8.81	9.00	8.53	8.00	0.28	1.00	10.03	10.00	10.03	-----	49.00	8062
1.66	1.64	8.61	9.00	8.31	8.00	0.30	1.00	10.45	10.00	10.45	-----	35.76	8046
1.68	1.64	9.61	9.00	8.93	8.00	0.68	1.00	10.00	10.00	10.00	-----	29.50	10042
1.65	1.64	3.78	9.00	8.90	8.00	0.88	1.00	10.44	10.00	10.44	-----	33.70	9494
1.71	1.64	8.74	9.00	8.40	8.00	0.34	1.00	10.19	10.00	10.19	-----	33.65	7874
1.78	1.64	11.03	10.00	9.81	9.00	1.22	1.00	3.12	3.00	3.12	-----	27.50	9637
1.81	1.64	10.42	10.00	9.44	8.00	0.98	1.00	3.92	3.00	3.92	-----	25.00	10043
1.70	1.64	10.33	10.00	9.63	9.00	1.20	1.00	3.00	3.00	3.00	-----	27.97	9493
1.71	1.64	12.51	13.00	*11.73	12.00	0.78	1.00	2.31	2.00	2.31	-----	27.75	7661
1.72	1.64	14.16	13.00	13.00	12.00	1.16	1.00	2.06	2.00	2.06	-----	29.50	9640
1.66	1.64	13.43	13.00	12.85	12.00	0.58	1.00	2.10	2.00	2.10	-----	21.50	8559
1.72	1.64	12.91	13.00	12.33	12.00	0.58	1.00	2.21	2.00	2.21	-----	28.10	7869
1.82	1.64	12.64	13.00	12.12	12.00	0.52	1.00	4.16	4.00	4.16	-----	29.00	7659
1.84	1.64	14.09	13.00	13.03	12.00	1.06	1.00	4.15	4.00	4.15	-----	25.10	9707
1.66	1.64	14.08	13.00	12.86	12.00	1.22	1.00	3.91	4.00	3.91	-----	31.30	9495
1.69	1.64	13.43	13.00	11.87	12.00	1.56	1.00	3.86	4.00	3.86	-----	33.55	10132
1.70	1.64	12.92	13.00	12.32	12.00	0.60	1.00	4.00	4.00	4.00	-----	30.05	7873
1.72	1.64	13.38	13.00	12.64	12.00	0.74	1.00	6.11	6.00	6.11	-----	31.00	7667
1.68	1.64	12.39	13.00	12.57	12.00	0.82	1.00	5.94	6.00	5.94	-----	32.00	9638
1.71	1.64	14.16	13.00	13.32	12.00	0.84	1.00	6.09	6.00	6.09	-----	26.60	9705
1.68	1.64	13.30	13.00	12.38	12.00	0.92	1.00	6.32	6.00	6.32	-----	29.50	10044
2.43	2.46	13.20	13.00	12.58	12.00	0.62	1.00	5.12	5.00	5.12	-----	32.75	7978
2.29	2.46	13.48	13.00	13.00	12.00	0.48	1.00	5.17	5.00	5.17	-----	35.25	7871
3.14	3.28	9.54	9.00	9.04	8.00	0.50	1.00	*5.07	6.00	5.07	-----	35.00	7825
3.25	3.28	10.19	9.00	9.63	8.00	0.56	1.00	*5.68	6.00	5.68	-----	36.00	9641
3.31	3.28	9.02	9.00	8.72	8.00	0.30	1.00	6.28	6.00	6.28	-----	32.50	7992
3.45	3.28	8.69	9.00	8.23	8.00	0.46	1.00	6.03	6.00	6.03	-----	40.50	8064
3.29	3.28	9.41	9.00	8.95	8.00	0.46	1.00	6.10	6.00	6.10	-----	32.40	8045
3.16	3.28	9.27	9.00	8.73	8.00	0.54	1.00	6.23	6.00	6.23	-----	42.00	9022
3.33	3.28	8.71	9.00	8.45	8.00	0.26	1.00	5.96	6.00	5.96	-----	35.05	7872
3.51	3.28	14.96	13.00	13.48	12.00	1.48	1.00	4.27	4.00	4.27	-----	37.00	9636
3.32	3.28	13.07	13.00	12.69	12.00	0.38	1.00	4.09	4.00	4.09	-----	34.00	7993
3.61	3.28	15.14	13.00	13.74	12.00	1.40	1.00	3.94	4.00	3.94	-----	29.25	9706
3.25	3.28	16.68	17.00	16.24	16.00	0.44	1.00	3.89	4.00	3.89	-----	42.00	7870
4.19	4.10	9.06	9.00	8.70	8.00	0.36	1.00	7.01	7.00	7.01	-----	34.50	8826
4.17	4.10	10.79	11.00	10.63	10.00	0.16	1.00	5.65	5.00	5.65	-----	40.00	8560
4.17	4.10	10.83	11.00	10.31	10.00	0.52	1.00	5.43	5.00	5.43	-----	33.75	10045
4.12	4.10	11.51	11.00	10.91	10.00	0.60	1.00	5.23	5.00	5.23	-----	42.00	9681

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
STANDARD WHOLESALE PHOSPHATE & ACID WORKS, INC., BALTIMORE, MD.		
8990	Standard United States Buyers Mixture	N. Cohen & Son, Corry -----
8093	Standard United States Champion Potato Grower -----	George Black, Lancaster -----
8035	Standard United States Champion Potato Grower -----	George Black, Lancaster -----
7947	Standard United States Champion Potato Grower -----	Neil S. Harrison, Forks -----
8094	Standard United States Champion Potato Grower -----	Miller & Bushong, Rohrertown -----
7905	Standard United States Champion Potato Grower -----	E. Blaine Wright, Rochester Mills -----
8096	Standard United States Garden Spot Tobacco Special Cottonseed Mixture --	George Black, Lancaster -----
7906	Standard United States High Analysis --	E. Blaine Wright, Rochester Mills -----
8989	Standard United States Mammoth Potato Grower -----	N. Cohen & Son, Corry -----
7946	Standard United States Mammoth Potato Grower -----	Neil S. Harrison, Forks -----
9836	Standard United States Mammoth Potato Grower -----	Neil S. Harrison, Forks -----
9756	Standard United States Mammoth Potato Grower -----	Platt & Mostoller, Berlin -----
9021	Standard United States Mammoth Potato Grower -----	E. M. Switzer, Shippenville -----
9020	Standard United States Mammoth Truck Grower -----	E. M. Switzer, Shippenville -----
SUMMERS FERTILIZER COMPANY, INC., BALTIMORE, MD.		
8760	Summer's 1-8-5 Fertilizer -----	Amandas Woodring, Schneeksville -----
8358	Summer's 1-9-4 Fertilizer -----	Frey's Hardware Co., Muncy -----
9480	Summer's 1-9-4 Fertilizer -----	Frey's Hardware Co., Muncy -----
10066	Summer's 1-9-4 Fertilizer -----	W. H. Heckert & Son, Baerstown -----
8744	Summer's 1-9-4 Fertilizer -----	E. J. Otto, Herndon -----
8568	Summer's 2-8-5 Fertilizer -----	Wayne B. Callender, Sweet Valley -----
8361	Summer's 2-8-5 Fertilizer -----	Frey's Hardware Co., Muncy -----
9482	Summer's 2-8-5 Fertilizer -----	Frey's Hardware Co., Muncy -----
8745	Summer's 2-8-5 Fertilizer -----	E. J. Otto, Herndon -----
8563	Summer's 2-8-10 Fertilizer -----	Wayne B. Callender, Sweet Valley -----
8360	Summer's 2-8-10 Fertilizer -----	Frey's Hardware Co., Muncy -----
9483	Summer's 2-8-10 Fertilizer -----	Frey's Hardware Co., Muncy -----
10065	Summer's 2-8-10 Fertilizer -----	W. H. Heckert & Son, Baerstown -----
9249	Summer's 2-8-10 Fertilizer -----	Harry Wilson, Frazer -----
8761	Summer's 2-8-10 Fertilizer -----	Amandas Woodring, Schneeksville -----
9484	Summer's 2-12-2 Fertilizer -----	Frey's Hardware Co., Muncy -----
8359	Summer's 2-12-6 Fertilizer -----	Frey's Hardware Co., Muncy -----
9977	Summer's 2-12-6 Fertilizer -----	Luzerne County Cooperative Association, Wilkes-Barre -----
8238	Summer's 3-12-5 Fertilizer -----	C. F. Rarich, Drums -----
8564	Summer's 4-8-4 Fertilizer -----	Wayne B. Callender, Sweet Valley -----
7796	Summer's 4-8-7 Fertilizer -----	Luzerne County Cooperative Association, Wilkes-Barre -----
7797	Summer's 4-8-10 Fertilizer -----	Luzerne County Cooperative Association, Wilkes-Barre -----
8759	Summer's 5-8-5 Fertilizer -----	Amandas Woodring, Schneeksville -----
SWACK'S FERTILIZER WORKS, DUBOIS, PA.		
8413	Swacks' Double Analysis 2-16-8 -----	Kline Grain Co., Shelocta -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.28	0.82	9.26	8.50	8.56	8.00	0.70	0.50	*4.78	5.00	4.78	-----	29.50	8990
2.81	2.47	12.64	12.50	12.16	12.00	0.48	0.50	5.32	5.00	1.30	4.02	32.50	8093
2.78	2.47	13.33	12.50	12.79	12.00	0.54	0.50	5.10	5.00	-----	5.10	32.50	8095
2.78	2.47	12.68	12.50	12.36	12.00	0.32	0.50	5.25	5.00	-----	5.25	32.00	7947
2.70	2.47	12.62	12.50	12.16	12.00	0.46	0.50	5.23	5.00	5.23	-----	28.75	8094
2.75	2.47	12.73	12.50	12.19	12.00	0.54	0.50	5.64	5.00	-----	5.64	31.75	7905
*3.76	4.11	11.08	8.50	10.30	8.00	0.78	0.50	5.61	5.00	-----	5.61	41.00	8096
3.41	3.30	16.90	16.50	16.20	16.00	0.70	0.50	4.15	4.00	4.15	-----	36.25	7906
1.84	1.65	9.71	8.50	8.95	8.00	0.76	0.50	9.91	10.00	9.91	-----	35.00	8989
1.62	1.65	8.99	8.50	8.81	8.00	0.18	0.50	*9.66	10.00	9.66	-----	30.50	7946
1.73	1.65	9.20	8.50	8.82	8.00	0.38	0.50	*9.22	10.00	9.22	-----	28.50	9836
1.94	1.65	9.03	8.50	8.67	8.00	0.36	0.50	9.83	10.00	9.83	-----	29.00	9756
1.73	1.65	9.76	8.50	9.52	8.00	0.24	0.50	*9.54	10.00	9.54	-----	29.70	9021
1.79	1.65	8.78	8.50	8.60	8.00	0.18	0.50	5.03	5.00	5.03	-----	26.40	9020
0.93	0.82	8.34	8.50	8.12	8.00	0.22	0.50	5.75	5.00	5.75	-----	26.00	8760
1.05	0.82	10.10	9.50	9.68	9.00	0.42	0.50	4.46	4.00	4.46	-----	25.00	8358
1.00	0.82	11.86	9.50	10.50	9.00	1.36	0.50	4.15	4.00	4.15	-----	25.00	9480
1.01	0.82	11.03	9.50	9.49	9.00	1.54	0.50	4.62	4.00	4.62	-----	33.00	10066
1.06	0.82	10.56	9.50	10.20	9.00	0.36	0.50	4.41	4.00	4.41	-----	27.00	8744
1.81	1.65	9.38	8.50	9.10	8.00	0.28	0.50	5.80	5.00	5.80	-----	26.70	8568
1.79	1.65	9.93	8.50	9.33	8.00	0.60	0.50	5.33	5.00	5.33	-----	-----	8361
1.77	1.65	10.28	8.50	8.84	8.00	1.44	0.50	5.09	5.00	5.09	-----	29.00	9482
1.79	1.65	10.08	8.50	9.68	8.00	0.40	0.50	5.33	5.00	5.33	-----	30.00	8745
1.67	1.65	9.32	8.50	9.08	8.00	0.24	0.50	10.36	10.00	10.36	-----	30.50	8563
1.61	1.65	9.55	8.50	9.07	8.00	0.48	0.50	10.49	10.00	10.49	-----	33.00	8360
1.82	1.65	11.29	8.50	10.29	8.00	1.00	0.50	*9.39	10.00	9.39	-----	33.00	9483
1.92	1.65	10.64	8.50	9.52	8.00	1.12	0.50	*9.63	10.00	9.63	-----	37.00	10065
1.76	1.65	9.38	8.50	8.84	8.00	0.54	0.50	10.60	10.00	10.60	-----	32.00	9249
1.94	1.65	9.49	8.50	8.75	8.00	0.74	0.50	10.04	10.00	10.04	-----	33.00	8761
1.93	1.65	13.96	12.50	12.80	12.00	1.16	0.50	2.48	2.00	2.48	-----	28.40	9484
1.79	1.65	14.18	12.50	13.50	12.00	0.68	0.50	6.62	6.00	6.62	-----	32.35	8359
1.92	1.65	13.97	12.50	12.87	12.00	1.10	0.50	6.19	6.00	6.19	-----	32.00	9977
2.49	2.47	13.90	12.50	13.24	12.00	0.66	0.50	5.13	5.00	5.13	-----	32.00	8238
3.51	3.29	9.89	8.50	9.75	8.00	0.14	0.50	5.06	4.00	5.06	-----	31.00	8564
*2.90	3.29	8.50	8.50	7.82	8.00	0.68	0.50	7.65	7.00	7.65	-----	35.60	7796
3.43	3.29	8.87	8.50	8.23	8.00	0.64	0.50	*9.16	10.00	9.16	-----	38.00	7797
*3.49	4.11	10.05	8.50	9.39	8.00	0.66	0.50	5.88	5.00	5.88	-----	36.00	8759
1.65	1.65	18.02	16.50	17.44	16.00	0.58	0.50	8.28	8.00	8.28	-----	44.00	8413

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9457	Swacks' Double Analysis 2-16-8 -----	Petersburg Milling Co., Bessemer -----
8700	Swacks' Double Analysis 2-16-8 -----	L. A. Yeckley, Patton -----
9957	Swacks' Double Analysis 2-16-8 -----	L. A. Yeckley, Patton -----
8444	Swacks' General Crop Grower 1-9-4 ----	Arthur S. Eisenman, Meadville -----
8'88	Swacks' General Crop Grower 1-9-4 ----	J. M. Hoagland Co., Sharon -----
8019	Swack's General Crop Grower 1-9-4 ----	Mahoning Valley Milling Co., Punxsutawney --
9728	Swacks' General Crop Grower 1-9-4 ----	Mahoning Valley Milling Co., Punxsutawney --
9442	Swacks' General Crop Grower 1-9-4 ----	P. J. Oesterling & Son, Butler -----
9720	Swacks' Potato and Truck 2-8-10 ----	Anderson Hardware Co., New Bethlehem ----
9548	Swacks' Potato and Truck 2-8-10 ----	Cochranon Cooperative Association, Cochran- ton -----
8446	Swacks' Potato and Truck 2-8-10 ----	Arthur S. Eisenman, Meadville -----
8266	Swacks' Potato and Truck 2-8-10 ----	Reynoldsville Hardware Co., Reynoldsville --
8701	Swacks' Potato and Truck 2-8-10 ----	L. A. Yeckley, Patton -----
9217	Swacks' Special Potato 2-10-6 -----	P. J. Oesterling & Son, Butler -----
8443	Swacks' Special Top Dressing 4-8-5 -----	Arthur S. Eisenman, Meadville -----
8020	Swacks' Special Top Dressing 4-8-5 -----	Mahoning Valley Milling Co., Punxsutawney --
8617	Swacks' Special Top Dressing 4-8-5 ----	Petersburg Milling Co., Bessemer -----
9549	Swacks' Wheat Fertilizer 2-12-2 -----	Cochranon Cooperative Association, Cochran- ton -----
8447	Swacks' Wheat Fertilizer 2-12-2 -----	Arthur S. Eisenman, Meadville -----
9443	Swacks' Wheat Fertilizer 2-12-2 -----	P. J. Oesterling & Son, Butler -----
8616	Swacks' Wheat Fertilizer 2-12-2 -----	Petersburg Milling Co., Bessemer -----
9224	Swacks' 2-8-5 -----	Adams & West, Slippery Rock -----
9719	Swacks' 2-8-5 -----	Anderson Hardware Co., New Bethlehem ----
9547	Swacks' 2-8-5 -----	Cochranon Cooperative Association, Cochran- ton -----
8441	Swacks' 2-8-5 -----	Arthur S. Eisenman, Meadville -----
8414	Swacks' 2-8-5 -----	Kline Grain Co., Shelocta -----
8018	Swacks' 2-8-5 -----	Mahoning Valley Milling Co., Punxsutawney --
9456	Swacks' 2-8-5 -----	Petersburg Milling Co., Bessemer -----
8704	Swacks' 2-8-5 -----	L. A. Yeckley, Patton -----
9533	Swacks' 2-12-6 -----	Belleville Flour Mills, Belleville -----
9551	Swacks' 4-16-4 -----	Cochranon Cooperative Association, Cochran- ton -----
8415	Swacks' 4-16-4 -----	Kline Grain Co., Shelocta -----
9218	Swacks' 4-16-4 -----	P. J. Oesterling & Son, Butler -----
9444	Swacks' 4-16-4 -----	P. J. Oesterling & Son, Butler -----
8268	Swacks' 4-16-4 -----	Reynoldsville Hardware Co., Reynoldsville --
8703	Swacks' 4-16-4 -----	L. A. Yeckley, Patton -----
8442	Swacks' 5-8-7 -----	Arthur S. Eisenman, Meadville -----
SWIFT & COMPANY, BALTIMORE, MD.		
8940	Swift's Red Steer 1-9-4 -----	Elwin Allen, Conley -----
7762	Swift's Red Steer 1-9-4 -----	W. A. Annick, Clearville -----
9502	Swift's Red Steer 1-9-4 -----	E. S. Artley, Pennsdale -----
9435	Swift's Red Steer 1-9-4 -----	J. H. Figley, New Sheffield -----
9222	Swift's Red Steer 1-9-4 -----	H. J. Klingler & Co., Butler -----
9008	Swift's Red Steer 1-9-4 -----	W. P. Rouse & Son, North East -----
8911	Swift's Red Steer 1-9-4 -----	Western Flour Co., Charleoi -----
7763	Swift's Red Steer 2-8-5 -----	W. A. Annick, Clearville -----
8795	Swift's Red Steer 2-8-5 -----	M. P. Close, Tioga -----
8277	Swift's Red Steer 2-8-5 -----	Gates Hardware, Grampion -----
9632	Swift's Red Steer 2-8-5 -----	Alvin Green, Lehighton -----
8651	Swift's Red Steer 2-8-5 -----	E. F. Hays Sons, Chicora -----
9709	Swift's Red Steer 2-8-5 -----	Kline Flour Mills Co., Brookville -----
7981	Swift's Red Steer 2-8-5 -----	Harry T. McDevitt, Mendenhall -----
9846	Swift's Red Steer 2-8-10 -----	A. C. Myers, Lock Haven -----
9668	Swift's Red Steer 2-8-5 -----	Darius Waite, Bellefonte -----
8467	Swift's Red Steer 2-8-10 -----	Aeme Milling Co., Cochranon -----
9503	Swift's Red Steer 2-8-10 -----	E. S. Artley, Pennsdale -----
9633	Swift's Red Steer 2-8-10 -----	Alvin Green, Lehighton -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.68	1.65	17.95	16.50	17.41	16.00	0.54	0.50	*7.80	8.00	7.80	-----	41.50	9457
1.78	1.65	17.41	16.50	16.85	16.00	0.56	0.50	8.14	8.00	8.14	-----	36.00	8700
1.76	1.65	17.91	16.50	17.61	16.00	0.39	0.50	*7.75	8.00	7.75	-----	36.75	9957
1.02	0.82	11.05	10.00	10.79	9.00	0.26	1.00	4.19	4.00	4.19	-----	27.50	8444
0.90	0.82	10.84	10.00	10.30	9.00	0.54	1.00	4.15	4.00	4.15	-----	29.00	8688
0.94	0.82	10.88	10.00	10.62	9.00	0.26	1.00	4.04	4.00	4.04	-----	27.00	8019
1.08	0.82	10.79	10.00	10.57	9.00	0.22	1.00	4.01	4.00	4.01	-----	27.50	9728
0.92	0.82	11.30	10.00	10.72	9.00	0.58	1.00	4.01	4.00	4.01	-----	28.50	9442
1.62	1.65	10.20	9.00	9.38	8.00	0.82	1.00	*9.78	10.00	9.78	-----	32.00	9720
1.69	1.65	10.22	9.00	9.78	8.00	0.44	1.00	10.04	10.00	10.04	-----	30.05	9548
1.66	1.65	8.92	9.00	8.74	8.00	0.18	1.00	10.66	10.00	10.66	-----	34.75	8446
1.52	1.65	8.46	9.00	8.08	8.00	0.38	1.00	10.88	10.00	10.88	-----	38.00	8255
1.65	1.65	9.96	9.00	9.42	8.00	0.54	1.00	10.16	10.00	10.16	-----	32.00	8701
1.71	1.65	11.30	11.00	10.72	10.00	0.58	1.00	6.16	6.00	6.16	-----	36.00	9217
*2.69	3.30	12.79	9.00	12.57	8.00	0.22	1.00	*4.29	5.00	4.29	-----	37.50	8443
3.21	3.30	9.13	9.00	9.03	8.00	3.10	1.00	*4.40	5.00	4.40	-----	36.50	8020
3.15	3.30	9.25	9.00	8.51	8.00	0.71	1.00	*4.73	5.00	4.73	-----	35.50	8617
1.63	1.65	13.37	13.00	12.53	12.00	0.84	1.00	2.25	2.00	2.25	-----	25.90	9549
1.85	1.65	13.84	13.00	13.50	12.00	0.34	1.00	2.43	2.00	2.43	-----	30.50	8447
1.66	1.65	14.26	13.00	12.84	12.00	1.42	1.00	2.32	2.00	2.32	-----	35.00	9443
1.82	1.65	13.22	13.00	12.78	12.00	0.44	1.00	2.08	2.00	2.08	-----	29.50	8616
1.67	1.65	9.66	9.00	9.04	8.00	0.62	1.00	5.04	5.00	5.04	-----	30.00	9224
1.65	1.65	9.93	9.00	9.47	8.00	0.46	1.00	5.43	5.00	5.43	-----	30.00	9719
1.71	1.65	9.12	9.00	8.72	8.00	0.40	1.00	5.61	5.00	5.61	-----	25.55	9547
1.52	1.65	3.97	9.00	8.77	8.00	0.20	1.00	5.60	5.00	5.60	-----	30.00	8441
1.65	1.65	9.61	9.00	9.37	8.00	0.24	1.00	5.19	5.00	5.19	-----	32.00	8414
1.49	1.65	8.60	9.00	8.33	8.00	0.22	1.00	5.49	5.00	5.49	-----	29.65	8018
1.62	1.65	9.72	9.00	9.32	8.00	0.40	1.00	5.35	5.00	5.35	-----	30.00	9456
1.48	1.65	10.88	9.00	10.56	8.00	0.32	1.00	4.90	5.00	4.90	-----	26.50	8704
1.89	1.85	13.84	12.50	13.12	12.00	0.72	0.50	6.01	6.00	6.01	-----	30.50	9533
3.15	3.30	18.36	16.50	17.78	16.00	0.58	0.50	3.89	4.00	3.89	-----	37.80	9551
3.16	3.30	18.28	16.50	18.12	16.00	0.16	0.50	4.36	4.00	4.36	-----	47.00	8415
3.56	3.30	17.58	16.50	16.88	16.00	0.70	0.50	4.12	4.00	4.12	-----	49.00	9218
3.47	3.30	17.86	16.50	17.34	16.00	0.52	0.50	4.12	4.00	4.12	-----	49.00	9444
3.26	3.30	17.17	16.50	16.99	16.00	0.18	0.50	3.85	4.00	3.85	-----	45.50	8268
3.23	3.30	17.95	16.50	17.79	16.00	0.16	0.50	4.31	4.00	4.31	-----	40.00	8703
4.37	4.12	10.13	9.00	9.81	8.00	3.32	1.00	*6.35	7.00	6.35	-----	42.50	8442
1.02	0.82	9.44	9.00	9.20	9.00	0.24	-----	4.51	4.00	4.51	-----	26.00	8940
0.93	0.82	9.40	9.00	9.12	9.00	0.28	-----	4.19	4.00	4.19	-----	26.00	7762
1.02	0.82	10.09	9.00	9.91	9.00	0.18	-----	3.94	4.00	3.94	-----	26.00	9502
0.96	0.82	10.45	9.00	9.73	9.00	0.72	-----	4.26	4.00	4.26	-----	30.00	9435
0.87	0.82	10.04	9.00	9.54	9.00	0.50	-----	4.39	4.00	4.39	-----	26.00	9222
0.94	0.82	9.85	9.00	9.47	9.00	0.38	-----	4.31	4.00	4.31	-----	24.50	9008
1.03	0.82	10.78	9.00	10.32	9.00	0.46	-----	3.88	4.00	3.88	-----	26.30	8911
1.78	1.65	8.53	8.00	8.09	8.00	0.44	-----	4.97	5.00	4.97	-----	30.00	7763
1.67	1.65	9.31	8.00	8.57	8.00	0.74	-----	5.03	5.00	5.03	-----	32.00	8795
1.72	1.65	9.18	8.00	8.54	8.00	0.64	-----	5.23	5.00	5.23	-----	31.00	8277
1.71	1.65	8.98	8.00	8.32	8.00	0.66	-----	5.30	5.00	5.30	-----	24.05	9632
1.71	1.65	9.45	8.00	8.97	8.00	0.48	-----	5.36	5.00	5.36	-----	36.00	8651
1.76	1.65	9.10	8.00	8.78	8.00	0.32	-----	5.00	5.00	5.00	-----	31.00	9709
1.65	1.65	8.83	8.00	8.51	8.00	0.32	-----	4.91	5.00	4.91	-----	29.00	7981
1.80	1.65	8.69	8.00	8.53	8.00	0.16	-----	4.96	5.00	4.96	-----	-----	9846
1.68	1.65	8.55	8.00	8.17	8.00	0.38	-----	5.10	5.00	5.10	-----	30.00	9968
1.72	1.65	9.46	8.00	9.28	8.00	0.18	-----	10.76	10.00	10.76	-----	34.70	8467
1.48	1.65	9.24	8.00	8.76	8.00	0.48	-----	10.12	10.00	10.12	-----	35.00	9503
1.59	1.65	8.66	8.00	8.00	8.00	0.66	-----	10.61	10.00	10.61	-----	28.95	9633

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7942	Swift's Red Steer 2-8-10	Neil S. Harrison, Forks
8649	Swift's Red Steer 2-8-10	E. F. Hays Sons, Chicora
10082	Swift's Red Steer 2-8-10	E. F. Hays Sons, Chicora
7983	Swift's Red Steer 2-8-10	Harry T. McDevitt, Mendenhall
9259	Swift's Red Steer 2-8-10	Bertram Williams, North Mehoopany
9465	Swift's Red Steer 2-12-2	Acme Milling Co., Cochranton
8903	Swift's Red Steer 2-12-2	Donora Flour & Feed, Donora
9451	Swift's Red Steer 2-12-2	Petersburg Milling Co., Bessemer
9047	Swift's Red Steer 2-12-2	Red Lion Exchange, Red Lion
9555	Swift's Red Steer 2-12-2	West Side Feed & Fuel Co., Erie
10146	Swift's Red Steer 2-12-2	Western Flour Co., Charleroi
8681	Swift's Red Steer 2-12-2	R. G. Youngs Sons, New Galilee
8796	Swift's Red Steer 2-12-4	M. P. Close, Tioga
8758	Swift's Red Steer 2-12-4	Alvin P. Green, Lehighton
8589	Swift's Red Steer 2-12-4	Ed. Hess, Phillipsburg
9833	Swift's Red Steer 2-12-4	S. R. Kline, Benton
9844	Swift's Red Steer 2-12-4	A. C. Myers, Lock Haven
9069	Swift's Red Steer 2-12-4	Darius Waite, Bellefonte
9260	Swift's Red Steer 2-12-4	Bert Williams, North Mehoopany
9847	Swift's Red Steer 2-16-8	A. C. Myers, Lock Haven
8349	Swift's Red Steer 2-16-8	Darius Waite, Bellefonte
9970	Swift's Red Steer 2-16-8	Darius Waite, Bellefonte
8939	Swift's Red Steer 3-10-6	Edwin Allen, Conley
8274	Swift's Red Steer 3-10-6	Gates Hardware, Gramplon
7044	Swift's Red Steer 3-12-5	Neil S. Harrison, Forks
9838	Swift's Red Steer 3-12-15	Neil S. Harrison, Forks
8222	Swift's Red Steer 3-12-15	Archib. Ridall, Berwick
8797	Swift's Red Steer 4-5-6	M. P. Close, Tioga
9392	Swift's Red Steer 4-5-6	Wolgemuth Brothers, Florin
8279	Swift's Red Steer 4-8-4	Gates Hardware, Curwensville
8650	Swift's Red Steer 4-8-4	E. F. Hays Sons, Chicora
10083	Swift's Red Steer 4-8-4	E. F. Hays Sons, Chicora
7979	Swift's Red Steer 4-8-4	Harry T. McDevitt, Mendenhall
9261	Swift's Red Steer 4-8-5	Bert Williams, North Mehoopany
8278	Swift's Red Steer 4-8-7	Gates Hardware, Gramplon
8757	Swift's Red Steer 4-8-7	Alvin P. Green, Lehighton
8588	Swift's Red Steer 4-8-7	Ed. Hess, Phillipsburg
7793	Swift's Red Steer 4-8-7	Wm. Krause, Dallas
9221	Swift's Red Steer 4-8-8	H. J. Klingler & Co., Butler
7792	Swift's Red Steer 4-8-10	Wm. Krause, Dallas
8464	Swift's Red Steer 4-12-4	Acme Milling Co., Cochranton
7765	Swift's Red Steer 4-12-4	W. A. Anniek, Clearville
9631	Swift's Red Steer 4-12-4	Alvin Green, Lehighton
8586	Swift's Red Steer 4-12-4	Ed. Hess, Phillipsburg
9220	Swift's Red Steer 4-12-4	H. J. Klingler & Co., Butler
8112	Swift's Red Steer 4-12-4	J. H. Laverys Sons, Franklin
8622	Swift's Red Steer 4-12-4	Petersburg Milling Co., Bessemer
9453	Swift's Red Steer 4-12-4	Petersburg Milling Co., Bessemer
8904	Swift's Red Steer 4-16-4	Donora Flour & Feed, Donora
8275	Swift's Red Steer 4-16-4	Gates Hardware, Gramplon
9256	Swift's Red Steer 4-16-4	H. G. Lake, Montrose
8111	Swift's Red Steer 4-16-4	J. H. Laverys Sons, Franklin
9556	Swift's Red Steer 4-16-4	West Side Feed & Fuel Co., Erie
10143	Swift's Red Steer 4-16-4	Western Flour Co., Charleroi
8383	Swift's Red Steer 4-16-10	Elwood R. Chambers, Elkview
8969	Swift's Red Steer 4-16-10	Fisher & Son Co., Malvern
9629	Swift's Red Steer 4-16-10	Alvin Green, Lehighton
8590	Swift's Red Steer 4-16-10	Ed. Hess, Phillipsburg
10144	Swift's Red Steer 4-16-10	Western Flour Co., Charleroi
8639	Swift's Red Steer 5-8-5	J. H. Figley, Aliquippa
9434	Swift's Red Steer 5-8-5	J. H. Figley, New Sheffield
9142	Swift's Red Steer 5-8-5	Northern Seed & Tractor Co., N. S. Pittsburgh

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.61	1.65	8.80	8.00	8.36	8.00	0.44	-----	10.08	10.00	10.08	-----	31.75	7942
1.75	1.65	10.05	8.00	9.49	8.00	0.56	-----	10.17	10.00	10.17	-----	40.00	8649
1.81	1.65	10.17	8.00	9.77	8.00	0.40	-----	10.67	10.00	10.67	-----	38.00	10082
1.66	1.65	9.07	8.00	8.93	8.00	0.14	-----	*9.64	10.00	9.64	-----	34.00	7983
1.68	1.65	9.18	8.00	8.62	8.00	0.56	-----	9.81	10.00	9.81	-----	35.20	9259
1.86	1.65	14.22	12.00	13.74	12.00	0.48	-----	2.52	2.00	2.52	-----	29.85	8465
1.71	1.65	14.62	12.00	13.98	12.00	0.64	-----	2.06	2.00	2.06	-----	30.10	8903
1.77	1.65	13.66	12.00	13.26	12.00	0.40	-----	2.28	2.00	2.28	-----	30.50	9451
1.69	1.65	14.03	12.00	12.97	12.00	1.06	-----	2.09	2.00	2.09	-----	9047	
1.85	1.65	13.37	12.00	12.81	12.00	0.56	-----	2.18	2.00	2.18	-----	29.65	9555
1.82	1.65	13.57	12.00	12.59	12.00	0.98	-----	2.29	2.00	2.29	-----	33.25	10146
1.77	1.65	14.22	12.00	13.44	12.00	0.78	-----	2.20	2.00	2.20	-----	33.00	8681
1.69	1.65	13.20	12.00	12.86	12.00	0.34	-----	4.43	4.00	4.43	-----	34.00	8796
1.88	1.65	12.69	12.00	12.49	12.00	0.20	-----	4.28	4.00	4.28	-----	8758	
1.85	1.65	13.39	12.00	13.19	12.00	0.20	-----	4.21	4.00	4.21	-----	31.00	8589
1.78	1.65	13.28	12.00	12.82	12.00	0.46	-----	3.82	4.00	3.82	-----	30.40	9833
1.94	1.65	12.76	12.00	12.30	12.00	0.46	-----	4.10	4.00	4.10	-----	30.00	9844
1.78	1.65	13.19	12.00	12.97	12.00	0.22	-----	4.35	4.00	4.35	-----	32.50	9669
1.72	1.65	12.97	12.00	12.43	12.00	0.54	-----	4.34	4.00	4.34	-----	32.80	9260
2.00	1.65	16.84	16.00	16.40	16.00	0.44	-----	8.20	8.00	8.20	-----	9847	
1.67	1.65	16.01	16.00	*15.75	16.00	0.26	-----	8.34	8.00	7.50	0.84	41.00	8349
1.95	1.65	17.83	16.00	17.29	16.00	0.54	-----	8.92	8.00	8.92	-----	41.00	9970
2.49	2.47	11.33	10.00	10.53	10.00	0.80	-----	6.10	6.00	6.10	-----	34.00	8939
2.38	2.47	10.96	10.00	10.68	10.00	0.28	-----	6.30	6.00	6.30	-----	37.00	8274
2.47	2.47	12.02	12.00	*11.68	12.00	0.34	-----	6.14	5.00	6.14	-----	33.50	7944
2.36	2.47	13.39	12.00	13.05	12.00	0.34	-----	15.18	15.00	15.18	-----	43.35	9838
2.51	2.47	12.69	12.00	12.61	12.00	0.08	-----	15.21	15.00	15.21	-----	42.00	8222
3.24	3.29	6.49	5.00	6.31	5.00	0.18	-----	6.09	6.00	1.20	4.89	33.00	8797
3.25	3.29	6.15	5.00	5.69	5.00	0.46	-----	5.91	6.00	2.00	3.91	-----	9392
3.22	3.29	9.06	8.00	8.90	8.00	0.16	-----	4.19	4.00	4.19	-----	39.00	8279
3.41	3.29	9.29	8.00	8.91	8.00	0.38	-----	4.36	4.00	4.36	-----	40.00	8650
*2.98	3.29	10.06	8.00	9.38	8.00	0.68	-----	4.46	4.00	4.46	-----	39.00	10083
3.22	3.29	9.01	8.00	8.85	8.00	0.16	-----	3.85	4.00	3.85	-----	34.00	7979
*2.52	3.29	10.57	8.00	10.13	8.00	0.44	-----	5.44	5.00	5.44	-----	36.80	9261
3.30	3.29	8.90	8.00	8.64	8.00	0.26	-----	7.14	7.00	7.14	-----	39.00	8278
*3.05	3.29	9.25	8.00	8.97	8.00	0.28	-----	*6.33	7.00	6.33	-----	8757	
3.42	3.29	8.95	8.00	8.85	8.00	0.10	-----	*6.55	7.00	6.55	-----	37.00	8583
3.31	3.29	8.37	8.00	8.17	8.00	0.20	-----	7.03	7.00	7.03	-----	36.00	7793
3.46	3.29	9.20	8.00	8.86	8.00	0.34	-----	8.34	8.00	8.34	-----	39.00	9221
3.14	3.29	8.74	8.00	8.00	8.00	0.74	-----	10.31	10.00	10.31	-----	38.00	7792
3.50	3.29	13.62	12.00	13.10	12.00	0.52	-----	4.33	4.00	4.33	-----	38.70	8464
*3.07	3.29	12.48	12.00	12.10	12.00	0.38	-----	4.91	4.00	4.91	-----	39.00	7765
3.38	3.29	13.32	12.00	12.83	12.00	0.46	-----	4.26	4.00	4.26	-----	32.80	9631
3.44	3.29	13.28	12.00	13.10	12.00	0.18	-----	4.29	4.00	4.29	-----	37.00	8586
3.48	3.29	13.36	12.00	12.82	12.00	0.54	-----	4.35	4.00	4.35	-----	38.50	9220
3.39	3.29	13.37	12.00	13.09	12.00	0.28	-----	4.16	4.00	3.30	0.86	43.35	8112
3.43	3.29	13.71	12.00	13.47	12.00	0.24	-----	4.41	4.00	4.41	-----	37.50	8622
3.36	3.29	14.14	12.00	13.30	12.00	0.84	-----	4.21	4.00	4.21	-----	39.50	9453
3.32	3.29	17.34	16.00	17.24	16.00	0.10	-----	4.05	4.00	4.05	-----	43.00	8904
3.66	3.29	17.27	16.00	16.69	16.00	0.58	-----	4.24	4.00	4.24	-----	45.00	8275
3.35	3.29	16.99	16.00	16.45	16.00	0.54	-----	4.50	4.00	4.50	-----	48.65	9256
*2.66	3.29	16.32	16.00	15.98	16.00	0.34	-----	4.16	4.00	3.50	0.66	47.50	8111
3.32	3.29	17.72	16.00	17.12	16.00	0.60	-----	4.48	4.00	4.48	-----	42.50	9556
3.56	3.29	18.42	16.00	17.38	16.00	1.04	-----	4.39	4.00	3.30	1.09	45.00	10143
3.38	3.29	17.08	16.00	16.70	16.00	0.38	-----	10.41	10.00	10.41	-----	52.50	8383
3.36	3.29	17.87	16.00	17.41	16.00	0.46	-----	10.72	10.00	10.72	-----	56.00	8969
3.48	3.29	18.01	16.00	17.67	16.00	0.34	-----	10.42	10.00	10.42	-----	44.40	9629
3.24	3.29	16.62	16.00	16.42	16.00	0.20	-----	9.83	10.00	9.83	-----	48.00	8590
3.44	3.29	17.40	16.00	16.80	16.00	0.60	-----	11.15	10.00	11.15	-----	52.00	10144
4.12	4.11	10.00	8.00	9.64	8.00	0.36	-----	5.50	5.00	5.50	-----	42.00	8639
4.13	4.11	9.13	8.00	8.83	8.00	0.30	-----	5.91	5.00	5.91	-----	40.00	9434
4.05	4.11	9.61	8.00	9.15	8.00	0.46	-----	*4.51	5.00	4.51	-----	44.00	9142

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8587	Swift's Red Steer 5-8-7 -----	Ed. Hess, Philipsburg -----
8348	Swift's Red Steer 5-8-7 -----	Darius Waite, Bellefonte -----
9144	Swift's Red Steer 5-13-8 -----	Northern Seed & Tractor Co., N. S. Pittsburgh
9007	Swift's Red Steer 5-13-8 -----	W. P. Rouse & Son, North East -----
8221	Swift's Red Steer 7-11-7 -----	Archie Ridall, Berwick -----
9920	Vigoro -----	Becker Seed & Bulb Co., Pittsburgh -----
9215	Vigoro -----	Cripps Hardware Co., New Castle -----
8788	Vigoro -----	Devling Brothers, Galetton -----
8905	Vigoro -----	Donora Flour & Feed, Donora -----
9931	Vigoro -----	Wm. A. Richey, Perrysville -----
8577	Vigoro -----	Snee & Sunday Co., Scranton -----
TENNESSEE COPPER & CHEMICAL CORPORATION, LOCKLAND, OHIO		
9269	Loma -----	Lackawanna Hardware Co., Scranton -----
I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.		
8614	Champion Guano 2-10-6 -----	J. C. Bonson, Reedsville -----
9530	Champion Guano 2-10-6 -----	J. C. Bonson, Milroy -----
7818	Champion Guano 2-10-6 -----	C. W. Thomas, Danville -----
9380	Champion Guano 2-10-6 -----	C. W. Thomas, Danville -----
9987	Double Strength Victor 4-16-10 -----	James Harmon, Berwick -----
9911	Economy Fertilizer 3-12-3 -----	Farmers Exchange, Clearfield -----
8412	Economy Fertilizer 3-12-3 -----	C. C. Pollock, Marion Center -----
9972	Farmers Choice 2-12-2 -----	Norman Black, Alexandria -----
10100	Farmers Choice 2-12-2 -----	C. E. Gobrecht, Hanover -----
9575	Farmers Choice 2-12-2 -----	W. W. Kalb, Sunbury -----
9865	Farmers Choice 2-12-2 -----	George K. Sondag, Hamburg -----
7820	Farmers Choice 2-12-2 -----	C. W. Thomas, Danville -----
9915	Long Island Special 4-8-7 -----	Farmers Exchange, Clearfield -----
9701	Long Island Special 4-8-7 -----	Harry Pyle & Sons, Chaddsford Junction -----
8895	Royal Fish Guano 4-8-5 -----	J. H. Duttera, New Oxford -----
9988	Royal Fish Guano 4-8-5 -----	James Harmon, Berwick -----
8894	Special Potato 2-8-10 -----	J. H. Duttera, New Oxford -----
10101	Special Potato 2-8-10 -----	C. E. Gobrecht, Hanover -----
8974	Special Potato 2-8-10 -----	S. N. Hill & Son, Markham -----
7816	Special Potato 2-8-10 -----	C. W. Thomas, Danville -----
9916	Thomas 1-9-4 -----	Farmers Exchange, Clearfield -----
9041	Thomas 1-9-4 -----	C. E. Gobrecht, Hanover -----
10102	Thomas 1-9-4 -----	C. E. Gobrecht, Hanover -----
9574	Thomas 1-9-4 -----	W. W. Kalb, Sunbury -----
9863	Thomas 1-9-4 -----	George K. Sondag, Hamburg -----
7823	Thomas 1-9-4 -----	C. W. Thomas, Danville -----
10123	Thomas 1-9-4 -----	C. A. Walmsley, Phoenixville -----
8211	Thomas Superior 2-12-5 -----	C. J. Davis, Rohrsburg -----
9978	Thomas Superior 2-12-5 -----	George L. Oehs, Conyngham -----
7824	Tip-Top Superphosphate 3-10-6 -----	C. W. Thomas, Danville -----
9348	Tip-Top Superphosphate 3-10-6 -----	C. W. Thomas, Danville -----
9979	Victor Potash Fertilizer 2-8-5 -----	J. T. Davis, St. Johns -----
8893	Victor Potash Fertilizer 2-8-5 -----	J. H. Duttera, New Oxford -----
9914	Victor Potash Fertilizer 2-8-5 -----	Farmers Exchange, Clearfield -----
9245	Victor Potash Fertilizer 2-8-5 -----	Wm. Hobensack, Ivyland -----
9700	Victor Potash Fertilizer 2-8-5 -----	Harry Pyle & Sons, Chaddsford Junction -----
9864	Victor Potash Fertilizer 2-8-5 -----	George K. Sondag, Hamburg -----
7817	Victor Potash Fertilizer 2-8-5 -----	C. W. Thomas, Danville -----
9379	Victor Potash Fertilizer 2-8-5 -----	C. W. Thomas, Danville -----
TRENTON BONE FERTILIZER CO., TRENTON, N. J.		
8964	Trenton 2-8-5 -----	L. A. Howell, Morrisville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
4.15	4.11	9.25	8.00	8.97	8.00	0.28	-----	4.26	7.00	4.26	-----	39.00	8587
4.27	4.11	9.35	8.00	9.01	8.00	0.34	-----	7.09	7.00	7.09	-----	42.00	8348
*3.81	4.11	12.36	13.00	11.28	11.00	1.08	2.00	*7.54	8.00	7.54	-----	50.00	9144
4.25	4.11	13.53	13.00	12.85	11.00	0.68	2.00	8.78	8.00	8.78	-----	41.00	9007
5.72	5.76	12.03	11.00	11.93	11.00	0.10	-----	6.94	7.00	6.94	-----	46.00	8221
3.47	3.29	12.87	12.00	12.37	12.00	0.50	-----	4.04	4.00	4.04	-----	75.00	9920
3.46	3.29	13.59	12.00	13.27	12.00	0.32	-----	4.29	4.00	4.29	-----	100.00	9215
3.50	3.29	13.90	12.30	13.02	12.00	0.88	0.30	4.59	4.00	4.59	-----	-----	8788
3.70	3.29	13.89	12.30	13.61	12.00	0.28	0.30	4.33	4.00	4.33	-----	70.00	8905
3.32	3.29	13.19	12.30	12.81	12.00	0.38	0.30	4.79	4.00	4.10	0.69	-----	9931
3.57	3.29	13.71	12.30	13.39	12.00	0.32	0.30	4.43	4.00	4.43	-----	95.00	8577
4.77	4.93	11.29	10.65	11.05	10.00	0.34	0.65	4.40	4.00	4.40	-----	†	9269
1.99	1.65	12.65	11.00	11.95	10.00	0.70	1.00	6.08	6.00	6.08	-----	-----	8611
1.82	1.65	12.79	11.00	11.23	10.00	1.56	1.00	5.90	6.00	5.90	-----	31.00	9530
2.01	1.65	11.35	11.00	10.73	10.00	0.62	1.00	*5.78	6.00	4.80	0.98	31.40	7818
1.80	1.65	12.49	11.00	10.95	10.00	1.54	1.00	6.54	6.00	6.54	-----	32.80	9380
3.51	3.25	18.16	16.00	17.56	16.00	0.60	-----	10.55	10.00	10.55	-----	-----	9987
2.73	2.45	14.36	13.00	13.52	12.00	0.84	1.00	3.36	3.00	3.36	-----	43.00	9911
2.62	2.45	14.39	13.00	13.13	12.00	1.26	1.00	4.09	3.00	1.80	2.29	31.20	8412
1.86	1.65	14.67	13.00	13.77	12.00	0.90	1.00	2.46	2.00	2.46	-----	30.50	9972
1.88	1.65	13.69	13.00	12.79	12.00	0.90	1.00	2.40	2.00	2.40	-----	27.50	10100
1.65	1.65	14.92	13.00	13.66	12.00	1.26	1.00	2.31	2.00	2.31	-----	29.75	9575
1.79	1.65	14.01	13.00	12.93	12.00	1.08	1.00	2.39	2.00	2.39	-----	28.60	9865
1.92	1.65	13.81	13.00	12.41	12.00	1.40	1.00	2.48	2.00	1.00	1.48	29.20	7820
3.66	3.25	10.23	9.00	8.71	8.00	1.52	1.00	7.63	7.00	7.63	-----	45.00	9915
3.91	3.25	10.38	9.00	8.96	8.00	1.42	1.00	7.64	7.00	7.64	-----	37.00	9701
3.52	3.25	9.54	9.00	8.56	8.00	0.98	1.00	5.89	5.00	5.89	-----	34.20	8835
3.72	3.25	10.74	9.00	9.42	8.00	1.32	1.00	5.47	5.00	5.47	-----	31.00	9983
1.96	1.65	10.63	9.00	9.91	8.00	0.72	1.00	10.40	10.00	9.50	0.90	31.60	8894
1.88	1.65	9.72	9.00	8.54	8.00	1.18	1.00	10.46	10.00	10.46	-----	31.75	10101
2.09	1.65	10.03	9.00	9.45	8.00	0.58	1.00	10.39	10.00	10.39	-----	32.00	8974
1.89	1.65	9.67	9.00	9.41	8.00	0.26	1.00	10.34	10.00	8.40	1.94	33.50	7816
1.01	0.82	11.14	10.00	10.06	9.00	1.08	1.00	4.28	4.00	3.00	1.28	32.00	9916
1.93	0.82	11.41	10.00	10.25	9.00	1.16	1.00	5.66	4.00	4.60	1.06	26.00	9041
1.14	0.82	11.24	10.00	10.10	9.00	1.14	1.00	4.41	4.00	4.41	-----	24.00	10102
1.15	0.82	11.52	10.00	10.34	9.00	1.18	1.00	4.12	4.00	4.12	-----	26.00	9574
1.13	0.82	11.24	10.00	10.14	9.00	1.10	1.00	4.04	4.00	4.04	-----	24.80	9863
1.11	0.82	10.03	10.00	9.41	9.00	0.62	1.00	3.97	4.00	3.97	-----	25.60	7823
1.22	0.82	10.97	10.00	9.93	9.00	1.04	1.00	3.91	4.00	2.60	1.31	30.00	10123
1.79	1.65	13.56	13.00	12.64	12.00	0.92	1.00	5.58	5.00	5.58	-----	30.00	8211
1.85	1.65	15.01	13.00	14.39	12.00	0.62	1.00	5.30	5.00	5.30	-----	30.65	9978
2.67	2.45	11.91	11.00	11.17	10.00	0.74	1.00	5.87	6.00	4.80	1.07	34.45	7824
2.71	2.45	12.42	11.00	11.14	10.00	1.28	1.00	6.61	6.00	6.61	-----	33.00	9348
1.96	1.65	9.75	9.00	8.61	8.00	1.14	1.00	5.78	5.00	5.78	-----	28.50	9979
2.04	1.65	10.00	9.00	8.40	8.00	1.60	1.00	5.32	5.00	3.90	1.42	34.20	8893
1.79	1.65	9.75	9.00	8.75	8.00	1.00	1.00	5.45	5.00	5.45	-----	37.00	9914
2.18	1.65	10.33	9.00	9.47	8.00	0.86	1.00	5.29	5.00	5.29	-----	31.00	9245
1.86	1.65	10.43	9.00	9.45	8.00	0.98	1.00	5.49	5.00	5.49	-----	28.00	9700
1.77	1.65	9.20	8.00	8.12	8.00	1.08	1.00	5.73	5.00	5.73	-----	28.15	9884
1.97	1.65	9.41	9.00	8.72	8.00	0.68	1.00	5.35	5.00	4.50	0.85	28.85	7817
1.75	1.65	10.01	9.00	8.69	8.00	1.32	1.00	5.40	5.00	5.40	-----	28.00	9379
1.70	1.64	9.72	9.00	9.28	8.00	0.44	1.00	*4.58	5.00	4.58	-----	25.00	8964

*Deficient.

†Sold at the rate of 42 cents for 5 lbs

TABLE III—COMPLETE

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
8965	Trenton 3-12-3 -----	L. A. Howell, Morrisville -----
8963	Trenton 4-8-7 -----	L. A. Howell, Morrisville -----
	F. W. TUNNELL & CO., INC., PHILADELPHIA, PA.	
10109	Fish Manure with Potash 2-10-6 -----	C. H. Goodman, Honeybrook -----
8814	Fish Manure with Potash 2-10-6 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
8812	Nassau County Potato Manure 5-8-5 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
8832	Red Diamond Potato and Truck Guano 2-8-10 -----	Jackson & Hortman, Hop Bottom -----
8404	Red Diamond Potato and Truck Guano 2-8-10 -----	Knerr & Matern, West Point -----
8813	Red Diamond Potato and Truck Guano 2-8-10 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
8764	Red Diamond Potato and Truck Guano 2-8-10 -----	Edwin F. Wink, Lenhartsville -----
8818	Special 1-8-6 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
8504	Standard Cereal Manure 2-12-4 -----	Martin Christman, Leighton -----
8503	Three M Potato Manure 4-8-7 -----	Martin Christman, Leighton -----
8815	Three M Potato Manure 4-8-7 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
10111	Veribest Cereal Manure 2-8-5 -----	C. H. Goodman, Honeybrook -----
8405	Veribest Cereal Manure 2-8-5 -----	Knerr & Matern, West Point -----
8816	Veribest Cereal Manure 2-8-5 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
10110	Wheat and Cereal Manure 1-9-4 -----	C. H. Goodman, Honeybrook -----
8406	Wheat and Cereal Manure 1-9-4 -----	Knerr & Matern, West Point -----
8817	Wheat and Cereal Manure 1-9-4 -----	F. W. Tunnell & Co., Inc., Philadelphia -----
	UNION CHEMICAL WORKS, INC., NORTH WALES, PA.	
8403	Crop Grower Fertilizer -----	Union Chemical Works, Inc., North Wales --
10120	Crop Grower Fertilizer -----	Union Chemical Works, Inc., North Wales --
8398	Eastern Trucker Fertilizer -----	Union Chemical Works, Inc., North Wales --
10119	Eastern Trucker Fertilizer -----	Union Chemical Works, Inc., North Wales --
8399	Farmers' Favorite Fertilizer -----	Union Chemical Works, Inc., North Wales --
10117	Farmers' Favorite Fertilizer -----	Union Chemical Works, Inc., North Wales --
8397	Grain and Grass Grower Fertilizer -----	Union Chemical Works, Inc., North Wales --
10118	Grain and Grass Grower Fertilizer -----	Union Chemical Works, Inc., North Wales --
8400	High Grade Vegetable Guano -----	Union Chemical Works, Inc., North Wales --
10116	High Grade Vegetable Guano -----	Union Chemical Works, Inc., North Wales --
8401	Ideal Potato Manure -----	Union Chemical Works, Inc., North Wales --
10115	Ideal Potato Manure -----	Union Chemical Works, Inc., North Wales --
8402	Potato and Celery Special Fertilizer --	Union Chemical Works, Inc., North Wales --
10121	Potato and Celery Special Fertilizer --	Union Chemical Works, Inc., North Wales --
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
8091	V-C Cottonseed Formula for Tobacco --	J. K. Schultz Estate, Washington Boro ---
8191	V-C Cottonseed Formula for Tobacco --	Selinsgrove Coal & Farmers Supply Co., Selinsgrove -----
8640	V-C Double Empire Brand -----	Bickerstaff-Todd, Aliquippa -----
9198	V-C Double Owl Brand -----	Berlin Feed Co., Berlin -----
9907	V-C Double Owl Brand -----	E. M. Fullingtons Sons, Clearfield -----
9069	V-C Double Owl Brand -----	E. J. Hite, Hollidaysburg -----
8501	V-C Double Owl Brand -----	Leighton Hardware Co., Leighton -----
7854	V-C Double Owl Brand -----	H. H. McKibben, Lock Haven -----
9094	V-C Double Owl Brand -----	Frank G. Reamer & Co., Greensburg -----
9949	V-C Fish and Potash Compound -----	Brumbaugh & Niesley, Martinsburg -----
9906	V-C Fish and Potash Compound -----	E. M. Fullingtons Sons, Clearfield -----
10048	V-C Fish and Potash Compound -----	J. W. Herman, Beaver Springs -----
10112	V-C Fish and Potash Compound -----	Russell James, Warwick -----
8059	V-C Fish and Potash Compound -----	Leighton Hardware Co., Leighton -----
8502	V-C Fish and Potash Compound -----	Leighton Hardware Co., Leighton -----
9891	V-C Fish and Potash Compound -----	McCamant Brother, Knox -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
2.52	2.46	13.88	13.00	13.32	12.00	0.56	1.00	3.29	3.00	3.29	-----	34.00	8965
3.41	3.28	9.38	9.00	9.06	8.00	0.32	1.00	7.66	7.00	7.06	-----	37.50	8963
1.60	1.64	11.62	11.00	10.94	10.00	0.63	1.00	6.99	6.00	6.99	-----		10109
1.70	1.64	11.68	11.00	11.30	10.00	0.38	1.00	6.69	6.00	6.69	-----		8814
4.14	4.10	9.78	9.00	9.48	8.00	0.30	1.00	5.71	5.00	5.71	-----		8812
1.85	1.64	9.85	9.00	9.49	8.00	0.36	1.00	10.41	10.00	10.41	-----	35.00	8832
1.89	1.64	9.39	9.00	9.07	8.00	0.32	1.00	10.74	10.00	10.74	-----	35.00	8404
1.59	1.64	10.29	9.00	9.81	8.00	0.48	1.00	10.40	10.00	10.40	-----		8813
1.79	1.64	9.77	9.00	9.57	8.00	0.20	1.00	10.88	10.00	10.88	-----		8764
0.94	0.82	10.31	9.00	9.85	8.00	0.46	1.00	6.24	6.00	6.24	-----		8818
1.85	1.64	13.73	13.00	13.63	12.00	0.10	1.00	5.18	4.00	3.50	1.68	26.50	8504
3.43	3.28	9.58	9.00	9.48	8.00	0.10	1.00	7.86	7.00	7.86	-----	32.55	8503
3.12	3.28	10.22	9.00	9.84	8.00	0.38	1.00	7.79	7.00	7.79	-----		8815
1.67	1.64	9.45	9.00	8.67	8.00	0.78	1.00	5.48	5.00	5.48	-----		10111
1.77	1.64	9.87	9.00	9.51	8.00	0.36	1.00	5.53	5.00	5.53	-----	30.00	8405
1.46	1.64	10.09	9.00	9.69	8.00	0.40	1.00	5.12	5.00	5.12	-----		8816
1.09	0.82	10.78	10.00	9.86	9.00	0.92	1.00	4.07	4.00	4.07	-----		10119
1.11	0.82	10.83	10.00	10.29	9.00	0.54	1.00	4.31	4.00	4.31	-----	27.00	8406
0.95	0.82	11.47	10.00	10.51	9.00	0.96	1.00	4.42	4.00	4.42	-----		8817
1.66	1.64	13.80	13.00	13.42	12.00	0.38	1.00	4.41	4.00	4.41	-----	31.00	8403
1.66	1.64	13.46	13.00	12.52	12.00	0.94	1.00	4.22	4.00	4.22	-----	32.00	10120
2.70	2.46	13.42	13.00	12.88	12.00	0.54	1.00	5.12	5.00	5.12	-----	33.00	8398
2.70	2.46	12.78	13.00	11.94	12.00	0.84	1.00	*4.79	5.00	4.79	-----	34.00	10119
1.03	0.82	10.59	10.00	10.39	9.00	0.20	1.00	4.06	4.00	4.06	-----	24.00	8399
0.88	0.82	10.24	10.00	9.76	9.00	0.48	1.00	*3.78	4.00	3.78	-----	25.00	10117
1.71	1.64	9.26	9.00	8.88	8.00	0.38	1.00	5.04	5.00	5.04	-----	27.00	8397
1.88	1.64	9.02	9.00	8.20	8.00	0.82	1.00	5.39	5.00	5.39	-----	28.00	10118
3.18	3.28	8.65	8.00	8.07	7.00	0.58	1.00	7.07	7.00	7.07	-----	35.00	8400
*3.08	3.28	8.04	8.00	7.64	7.00	0.40	1.00	7.79	7.00	7.79	-----	36.00	10116
3.35	3.28	9.67	9.00	9.35	8.00	0.32	1.00	9.85	10.00	9.85	-----	38.00	8401
*2.99	3.28	9.24	9.00	8.94	8.00	0.30	1.00	10.83	10.00	10.83	-----	39.00	10115
1.71	1.64	8.55	8.00	8.31	7.00	0.24	1.00	*9.29	10.00	9.29	-----	31.50	8402
1.65	1.64	8.27	8.00	7.69	7.00	0.58	1.00	*9.75	10.00	9.75	-----	32.50	10121
4.28	4.11	4.39	5.00	4.27	4.00	0.12	1.00	6.00	5.00	-----	6.00	-----	8091
4.20	4.11	4.40	5.00	4.30	4.00	0.10	1.00	5.89	5.00	-----	5.89	40.50	8191
3.68	3.29	18.00	17.00	17.14	16.00	0.86	1.00	6.08	6.00	6.08	-----	52.00	8640
3.34	3.29	9.59	9.00	8.73	8.00	0.86	1.00	7.14	7.00	7.14	-----	37.50	9198
3.40	3.29	9.57	9.00	8.69	8.00	0.88	1.00	7.06	7.00	7.06	-----	40.00	9907
3.35	3.29	9.86	9.00	8.96	8.00	0.90	1.00	7.34	7.00	7.34	-----	41.00	9069
3.19	3.29	10.05	9.00	9.49	8.00	0.53	1.00	7.07	7.00	7.07	-----	38.50	8501
3.25	3.29	9.34	9.00	8.54	8.00	0.80	1.00	7.28	7.00	7.28	-----	38.75	7854
3.30	3.29	9.75	9.00	8.89	8.00	0.86	1.00	7.39	7.00	7.39	-----	44.50	9094
1.99	1.65	11.42	10.00	9.88	9.00	1.54	1.00	3.41	3.00	3.41	-----	31.50	9949
1.97	1.65	11.77	10.00	10.15	9.00	1.62	1.00	3.43	3.00	3.43	-----	30.00	9906
1.91	1.65	11.63	10.00	10.23	9.00	1.40	1.00	3.49	3.00	3.49	-----	28.00	10048
1.96	1.65	11.75	10.00	9.75	9.00	2.00	1.00	3.12	3.00	3.12	-----	28.00	10112
1.87	1.65	10.80	10.00	10.20	9.00	0.60	1.00	3.22	3.00	3.22	-----	29.00	8059
3.92	4.11	10.49	9.00	9.85	8.00	0.64	1.00	5.05	5.00	5.05	-----	39.75	8502
1.84	1.65	11.79	10.00	10.03	9.00	1.76	1.00	3.01	3.00	3.01	-----	32.50	9891

*Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7835	V-C Fish and Potash Compound ----	H. H. McKibben, Lock Haven -----
9416	V-C Fish and Potash Compound ----	H. H. McKibben, Lock Haven -----
9090	V-C Fish and Potash Compound ----	H. M. Shearer, New Alexandria -----
8836	V-C Fish and Potash Compound ----	Glenn E. Tingley, New Milford -----
8203	V-C Game Cock Brand -----	J. W. Herman, Beaver Springs -----
7853	V-C Game Cock Brand -----	H. H. McKibben, Lock Haven -----
9067	V-C Goodluck Fertilizer -----	E. J. Hite, Hollidaysburg -----
7852	V-C Goodluck Fertilizer -----	H. H. McKibben, Lock Haven -----
9091	V-C Goodluck Fertilizer -----	H. M. Shearer, New Alexandria -----
8232	V-C Indian Brand Fertilizer -----	J. P. Davis, St. Johns -----
9662	V-C Indian Brand Fertilizer -----	Victor Diebert, Slatington -----
8500	V-C Indian Brand Fertilizer -----	Leighton Hardware Co., Leighton -----
8170	V-C Indian Brand Fertilizer -----	Clay Park, Three Springs -----
8140	V-C Indian Brand Fertilizer -----	E. L. Smith & Co., Union City -----
9950	V-C Owl Brand Fertilizer -----	Brumbaugh & Niesley, Martinsburg -----
9656	V-C Owl Brand Fertilizer -----	Leighton Hardware Co., Leighton -----
7858	V-C Owl Brand Fertilizer -----	H. H. McKibben, Lock Haven -----
9412	V-C Owl Brand Fertilizer -----	H. H. McKibben, Lock Haven -----
9103	V-C Owl Brand Fertilizer -----	A. P. Marshall, Smicksburg -----
8432	V-C Pennsylvania Potato Producer --	R. H. Goldstrohm, Echo -----
7836	V-C Pennsylvania Potato Producer --	H. H. McKibben, Lock Haven -----
9104	V-C Pennsylvania Potato Producer --	A. P. Marshall, Smicksburg -----
8171	V-C Pennsylvania Potato Producer --	Clay Parks, Three Springs -----
9196	V-C Plow Brand Fertilizer -----	H. C. Beerits Sons, Somerset -----
8233	V-C Plow Brand Fertilizer -----	J. P. Davis, St. Johns -----
9661	V-C Plow Brand Fertilizer -----	Victor Diebert, Slatington -----
8202	V-C Plow Brand Fertilizer -----	J. W. Herman, Beaver Springs -----
9577	V-C Plow Brand Fertilizer -----	W. W. Kalb, Sunbury -----
7855	V-C Plow Brand Fertilizer -----	H. H. McKibben, Lock Haven -----
9944	V-C Plow Brand Fertilizer -----	H. M. Mohler, Carrolltown -----
8058	V-C Prolife Crop Grower -----	Leighton Hardware Co., Leighton -----
7861	V-C Prolife Crop Grower -----	H. H. McKibben, Lock Haven -----
9105	V-C Prolife Crop Grower -----	A. P. Marshall, Smicksburg -----
9092	V-C Prolife Crop Grower -----	H. M. Shearer, New Alexandria -----
9131	V-C Star Brand Fertilizer -----	Anderson Hardware Co., New Bethlehem -----
9721	V-C Star Brand Fertilizer -----	Anderson Hardware Co., New Bethlehem -----
9576	V-C Star Brand Fertilizer -----	W. W. Kalb, Sunbury -----
9653	V-C Star Brand Fertilizer -----	Leighton Hardware Co., Leighton -----
9945	V-C Star Brand Fertilizer -----	H. M. Mohler, Carrolltown -----
8657	V-C Star Brand Fertilizer -----	New Castle Feed & Coal Co., New Castle --
9093	V-C Star Brand Fertilizer -----	Frank G. Reamer & Co., Greensburg -----
8139	V-C Star Brand Fertilizer -----	E. L. Smith & Co., Union City -----
7857	V-C Super 26 Fertilizer -----	H. H. McKibben, Lock Haven -----
9199	V-C Valley Pride -----	Berlin Feed Co., Berlin -----
7851	V-C Valley Pride -----	H. H. McKibben, Lock Haven -----
9292	V-C Valley Pride -----	H. A. Snyder, Strawberry Ridge -----
VIRGINIA-CAROLINA CHEMICAL CORPORATION, RICHMOND, VA.		
9285	Bloomaid 6-10-4 -----	Ralph Fuller, Turbotville -----
8735	Bloomaid 6-10-4 -----	E. M. Fullington's Sons, Clearfield -----
8736	Bloomaid 12-14-6 -----	E. M. Fullington's Sons, Clearfield -----
8734	V-C Fairway Fertilizer -----	E. M. Fullington's Sons, Clearfield -----
WASHINGTON, ALEXANDER & COOKE CO., CHARLES TOWN, W. VA.		
8553	Wacco Cottonseed Meal Mixture 4-5-6 --	B. F. Rhoads, Quarryville -----
8852	Wacco Crop Grower 2-8-5 -----	B. F. Rhoads, Quarryville -----
8856	Wacco Fish and Potash 2-9-3 -----	B. F. Rhoads, Quarryville -----
9888	Wacco Fish and Potash 2-9-3 -----	B. F. Rhoads, Quarryville -----
8858	Wacco Super Fish and Potash 2-12-6 --	B. F. Rhoads, Quarryville -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.92	1.65	11.43	10.00	10.03	9.00	1.40	1.00	3.43	3.00	3.43	-----	29.00	7835
1.76	1.65	12.48	10.00	10.72	9.00	1.76	1.00	3.35	3.00	3.35	-----	27.00	9416
1.73	1.65	12.22	10.00	10.70	9.00	1.52	1.00	3.17	3.00	3.17	-----	31.00	9090
1.81	1.65	10.61	10.00	9.87	9.00	0.74	1.00	3.26	3.00	3.26	-----	32.00	8836
4.04	4.11	10.32	9.00	9.08	8.00	1.24	1.00	5.35	5.00	5.35	-----	40.00	8203
4.07	4.11	10.37	9.00	9.31	8.00	1.06	1.00	5.34	5.00	5.34	-----	40.00	7853
2.67	2.47	12.18	11.00	11.36	10.00	0.82	1.00	6.04	6.00	6.04	-----	37.75	9067
2.67	2.47	11.41	11.00	10.67	10.00	0.74	1.00	*5.46	6.00	5.46	-----	38.50	7852
2.81	2.47	12.46	11.00	11.55	10.00	0.88	1.00	*5.43	6.00	5.43	-----	39.75	9091
1.69	1.65	8.76	9.00	8.38	8.00	0.38	1.00	11.23	10.00	11.23	-----	33.00	8232
1.74	1.65	9.21	9.00	8.69	8.00	0.52	1.00	11.14	10.00	11.14	-----	9662	
1.84	1.65	9.40	9.00	9.14	8.00	0.26	1.00	10.72	10.00	10.72	-----	35.15	8500
1.82	1.65	10.09	9.00	8.73	8.00	1.36	1.00	10.21	10.00	10.21	-----	37.00	8179
1.80	1.65	9.90	9.00	8.96	8.00	0.94	1.00	*9.79	10.00	9.79	-----	34.65	8140
1.97	1.65	13.99	13.00	12.05	12.00	1.94	1.00	4.07	4.00	3.10	0.97	37.00	9950
1.89	1.65	13.80	13.00	12.88	12.00	0.92	1.00	4.76	4.00	4.76	-----	32.55	9656
1.84	1.65	13.93	13.00	12.07	12.00	1.86	1.00	4.27	4.00	4.27	-----	31.50	7858
1.86	1.65	14.64	13.00	13.08	12.00	1.56	1.00	4.02	4.00	4.02	-----	31.50	9412
1.92	1.65	14.39	13.00	12.25	12.00	2.14	1.00	4.26	4.00	4.26	-----	28.50	9103
3.37	3.29	14.15	13.00	13.43	12.00	0.72	1.00	5.61	5.00	5.61	-----	40.00	8432
3.43	3.29	12.79	13.00	12.01	12.00	0.78	1.00	5.43	5.00	5.43	-----	40.00	7836
3.49	3.29	13.14	13.00	12.22	12.00	0.92	1.00	5.47	5.00	5.47	-----	34.85	9104
3.20	3.29	14.26	13.00	13.66	12.00	0.60	1.00	5.14	5.00	5.14	-----	40.00	8171
1.81	1.65	9.99	9.00	8.73	8.00	1.26	1.00	5.81	5.00	5.81	-----	28.50	9193
1.74	1.65	9.11	9.00	8.67	8.00	0.44	1.00	5.78	5.00	5.78	-----	28.00	8233
1.73	1.65	9.58	9.00	8.80	8.00	0.78	1.00	5.24	5.00	5.24	-----	9661	
1.78	1.65	10.20	9.00	8.98	8.00	1.22	1.00	5.07	5.00	5.07	-----	28.25	8202
1.86	1.65	11.01	9.00	9.29	8.00	1.72	1.00	5.19	5.00	5.19	-----	29.35	9577
1.87	1.65	9.90	9.00	8.94	8.00	0.96	1.00	5.14	5.00	5.14	-----	30.00	7855
1.80	1.65	10.84	9.00	8.94	8.00	1.90	1.00	5.51	5.00	5.51	-----	29.50	9944
3.43	3.29	12.85	13.00	12.51	12.00	0.34	1.00	4.63	4.00	4.63	-----	38.90	8058
3.51	3.29	13.79	13.00	12.65	12.00	1.14	1.00	4.79	4.00	4.79	-----	39.00	7861
3.42	3.29	13.98	13.00	12.56	12.00	1.42	1.00	4.74	4.00	4.74	-----	34.35	9105
3.19	3.29	13.80	13.00	12.48	12.00	1.32	1.00	4.34	4.00	4.34	-----	43.20	9092
1.06	0.82	12.08	10.00	10.50	9.00	1.58	1.00	4.28	4.00	4.28	-----	30.00	9131
0.98	0.82	9.49	10.00	9.33	9.00	0.16	1.00	3.89	4.00	3.89	-----	30.00	9721
1.03	0.82	13.36	10.00	11.74	9.00	1.62	1.00	*3.54	4.00	3.54	-----	26.00	9576
1.12	0.82	10.72	10.00	9.70	9.00	1.02	1.00	4.36	4.00	4.36	-----	26.80	9653
1.17	0.82	12.05	10.00	10.05	9.00	2.00	1.00	4.02	4.00	4.02	-----	27.00	9945
1.15	0.82	11.35	10.00	9.81	9.00	1.54	1.00	4.25	4.00	4.25	-----	28.00	8657
1.05	0.82	11.82	10.00	10.50	9.00	1.32	1.00	4.04	4.00	4.04	-----	30.20	9093
1.14	0.82	11.53	10.00	10.41	9.00	1.12	1.00	4.41	4.00	4.41	-----	26.20	8139
1.83	1.65	17.13	17.00	16.27	16.00	0.86	1.00	7.92	8.00	7.92	-----	40.50	7857
1.89	1.65	13.80	13.00	12.32	12.00	1.48	1.00	2.60	2.00	2.60	-----	29.70	9199
1.89	1.65	13.70	13.00	12.60	12.00	1.70	1.00	2.55	2.00	2.55	-----	28.00	7851
1.66	1.65	14.72	13.00	12.98	12.00	1.74	1.00	2.86	2.00	2.86	-----	30.40	9292
5.11	4.94	11.28	-----	10.58	10.00	0.70	-----	4.55	4.00	-----	4.55	†	9285
5.20	4.94	12.16	-----	11.60	10.00	0.56	-----	4.30	4.00	-----	4.30	-----	8735
10.05	9.88	15.50	-----	15.30	14.00	0.20	-----	6.96	6.00	-----	6.96	†	8736
6.98	6.58	7.22	7.00	7.04	6.40	0.18	1.00	5.86	5.00	5.86	-----	§	8734
3.13	3.30	7.30	5.00	7.12	5.00	0.18	-----	6.20	6.00	6.20	-----	35.00	8853
1.84	1.65	10.06	8.00	9.79	8.00	0.36	-----	4.93	5.00	4.93	-----	28.15	8852
1.99	1.65	10.93	9.00	10.69	9.00	0.24	-----	3.75	3.00	3.75	-----	27.00	8856
2.15	1.65	10.92	9.00	10.62	9.00	0.30	-----	3.67	3.00	3.67	-----	26.75	9888
1.93	1.65	12.77	12.00	12.67	12.00	0.10	-----	7.30	6.00	7.30	-----	32.25	8858

*Deficient.

†Sold at the rate of 50 cents for 5 lbs.

‡Sold at the rate of 25 cents per package.

§Sold at the rate of \$1.00 for 10 lbs.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8851	Wacco Wheat, Corn and Oats Mixture 1-9-4 -----	B. F. Rhoads, Quarryville -----
	WHITE ROSE PLANT FOOD COMPANY, YORK, PA.	
9268	White Rose Plant Food -----	Thos. F. Leonard Co., Seranton -----
	YORK CHEMICAL WORKS, YORK, PA.	
8085	Dempwolf's General Crop -----	B. W. Bedell, Mill City -----
9799	Dempwolf's General Crop -----	York Chemical Works, York -----
9420	Dempwolf's Grain Special -----	C. E. Frazier, Mill Hall -----
9170	Dempwolf's Grain Special -----	H. M. Mohler, Carrolltown -----
9960	Dempwolf's Grain Special -----	J. M. Snyder, Huntingdon -----
9801	Dempwolf's Grain Special -----	York Chemical Works, York -----
8217	Dempwolf's Potato and Truck -----	B. W. Bedell, Mill City -----
8770	Dempwolf's Potato and Truck -----	Amos E. Flory, Northampton -----
9121	Dempwolf's Potato and Truck -----	Chas. Lumberg, Mt. Jewett -----
9835	Dempwolf's R. B. Special -----	York Chemical Works, York -----
9852	Dempwolf's Spring Special -----	John C. Eder, Montoursville -----
8767	Dempwolf's Spring Special -----	Amos E. Flory, Northampton -----
8931	Dempwolf's Spring Special -----	Preston, Inc., Canton -----
7988	Dempwolf's Spring Special -----	Harry Pyle & Son, Chaddsford -----
9808	Dempwolf's Spring Special -----	York Chemical Works, York -----
9477	Dempwolf's Standard -----	Firestone & Shillito, Dillsburg -----
9686	Dempwolf's Standard -----	Fisher & Son, West Chester -----
8768	Dempwolf's Standard -----	Amos E. Flory, Northampton -----
9421	Dempwolf's Standard -----	C. E. Frazier, Mill Hall -----
9169	Dempwolf's Standard -----	H. M. Mohler, Carrolltown -----
7989	Dempwolf's Standard -----	Harry Pyle & Son, Chaddsford -----
9042	Dempwolf's Standard -----	Red Lion Exchange, Red Lion -----
9959	Dempwolf's Standard -----	J. M. Snyder, Huntingdon -----
9807	Dempwolf's Standard -----	York Chemical Works, York -----
9479	Dempwolf's Standard Potash -----	Firestone & Shillito, Dillsburg -----
9417	Dempwolf's Standard Potash -----	C. E. Frazier, Mill Hall -----
9520	Dempwolf's Standard Potash -----	H. E. Huston, Saltillo -----
9946	Dempwolf's Standard Potash -----	H. M. Mohler, Carrolltown -----
9800	Dempwolf's Standard Potash -----	York Chemical Works, York -----
8089	Dempwolf's Top Dresser -----	B. W. Bedell, Mill City -----
9122	Dempwolf's Top Dresser -----	Chas. Lumberg, Mt. Jewett -----
9951	Dempwolf's 2-12-4 -----	H. N. Dilling, Martinsburg -----
9419	Dempwolf's 2-12-4 -----	C. E. Frazier, Mill Hall -----
9045	Dempwolf's 2-12-4 -----	Red Lion Exchange, Red Lion -----
9787	Dempwolf's 2-12-4 -----	J. M. Snyder, Huntingdon -----
9798	Dempwolf's 2-12-4 -----	York Chemical Works, York -----
9687	Dempwolf's 4-8-7 -----	Fisher & Son, West Chester -----
8981	Dempwolf's 4-8-7 -----	James K. Lewis, Honeybrook -----
9123	Dempwolf's 4-8-7 -----	Chas. Lumberg, Mt. Jewett -----
8326	Dempwolf's 4-16-10 -----	Greybill Store, Richfield -----
9124	Dempwolf's 4-16-10 -----	Chas. Lumberg, Mt. Jewett -----
8933	Dempwolf's 4-16-10 -----	Preston, Inc., Canton -----
9806	Dempwolf's 4-16-10 -----	York Chemical Works, York -----
		Average -----

FERTILIZERS—Concluded.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.05	0.82	10.15	9.00	9.91	9.00	0.24	-----	5.10	4.00	5.10	-----	26.00	8851
4.10	4.10	10.19	8.00	9.73	8.00	0.46	-----	3.44	3.00	-----	3.44	**	9265
2.44	2.46	11.15	10.00	10.29	10.00	0.86	-----	4.88	4.00	4.88	-----	37.00	8085
2.66	2.46	10.79	10.00	10.47	10.00	0.32	-----	3.96	4.00	3.96	-----	30.45	9799
2.05	1.64	13.78	12.00	13.38	12.00	0.40	-----	2.12	2.00	2.12	-----	28.00	9420
1.85	1.64	13.04	12.00	12.82	12.00	0.22	-----	2.26	2.00	2.26	-----	-----	9170
2.20	1.64	13.99	12.00	13.59	12.00	0.40	-----	2.14	2.00	2.14	-----	-----	9960
2.26	1.64	13.37	12.00	13.03	12.00	0.34	-----	1.96	2.00	1.96	-----	26.20	9801
4.18	4.10	8.51	8.00	8.41	8.00	0.10	-----	8.26	7.00	-----	8.26	44.00	8217
4.10	4.10	9.66	8.00	9.42	8.00	0.24	-----	7.18	7.00	-----	7.18	44.00	8770
4.27	4.10	9.11	8.00	8.75	8.00	0.36	-----	7.84	7.00	-----	7.84	44.00	9121
1.79	1.64	12.95	12.00	11.09	10.00	1.86	2.00	4.60	4.00	4.60	-----	33.40	9805
1.56	1.64	9.77	8.00	9.37	8.00	0.40	-----	*9.51	10.00	9.51	-----	32.50	9852
1.65	1.64	9.45	8.00	9.11	8.00	0.34	-----	*9.60	10.00	9.60	-----	33.90	8767
1.82	1.64	9.17	8.00	8.93	8.00	0.24	-----	10.89	10.00	10.89	-----	33.00	8931
1.61	1.64	8.99	8.00	8.79	8.00	0.20	-----	10.12	10.00	10.12	-----	32.50	7988
1.70	1.64	9.02	8.00	8.72	8.00	0.30	-----	10.33	10.00	10.33	-----	30.50	9808
1.74	1.64	9.50	8.00	9.18	8.00	0.32	-----	5.33	5.00	5.33	-----	27.75	9477
1.78	1.64	9.98	8.00	9.78	8.00	0.20	-----	5.74	5.00	5.74	-----	30.00	9686
1.73	1.64	9.12	8.00	8.76	8.00	0.36	-----	5.39	5.00	5.39	-----	28.60	8768
1.66	1.64	9.49	8.00	9.01	8.00	0.48	-----	*4.40	5.00	4.40	-----	27.50	9421
1.66	1.65	9.66	8.00	9.42	8.00	0.24	-----	5.23	5.00	5.23	-----	-----	9169
1.58	1.64	9.25	8.00	9.07	8.00	0.18	-----	5.43	5.00	5.43	-----	28.00	7989
1.82	1.64	9.52	8.00	9.04	8.00	0.48	-----	5.17	5.00	5.17	-----	-----	9042
1.75	1.64	8.70	8.00	8.42	8.00	0.28	-----	5.12	5.00	5.12	-----	-----	9959
1.88	1.64	9.76	8.00	8.98	8.00	0.78	-----	*4.56	5.00	4.56	-----	25.85	9807
0.85	0.82	9.89	9.00	9.73	9.00	0.16	-----	4.39	4.00	4.39	-----	24.55	9479
0.90	0.82	10.29	9.00	10.19	9.00	0.10	-----	*3.58	4.00	3.58	-----	24.00	9417
0.93	0.82	9.54	9.00	9.40	9.00	0.14	-----	4.11	4.00	4.11	-----	-----	9520
0.97	0.82	9.55	9.00	9.23	9.00	0.32	-----	4.57	4.00	4.57	-----	27.00	9946
0.92	0.82	9.26	9.00	9.08	9.00	0.18	-----	4.81	4.00	4.81	-----	22.65	9800
5.83	5.74	6.95	6.00	6.79	6.00	0.16	-----	5.01	5.00	5.01	-----	45.00	8089
6.07	5.74	7.46	6.00	7.10	6.00	0.36	-----	4.95	5.00	4.95	-----	44.00	9122
2.23	1.64	13.78	12.00	13.30	12.00	0.48	-----	*3.60	4.00	3.60	-----	32.00	9951
2.07	1.64	14.22	12.00	13.64	12.00	0.58	-----	*3.71	4.00	3.71	-----	29.50	9419
1.91	1.64	13.69	12.00	13.27	12.00	0.42	-----	4.19	4.00	4.19	-----	-----	9045
2.11	1.64	13.27	12.00	12.93	12.00	0.34	-----	3.93	4.00	3.93	-----	-----	9787
1.98	1.64	13.10	12.00	12.76	12.00	0.34	-----	4.07	4.00	4.07	-----	28.10	9798
3.31	3.28	9.67	8.00	9.51	8.00	0.16	-----	7.06	7.00	7.06	-----	38.00	9687
*2.80	3.28	9.03	8.00	8.13	8.00	0.90	-----	7.17	7.00	7.17	-----	-----	8981
*2.89	3.28	9.36	8.00	8.12	8.00	1.24	-----	7.04	7.00	7.04	-----	43.00	9123
3.47	3.28	16.52	16.00	16.26	16.00	0.26	-----	11.56	10.00	11.56	-----	-----	8326
3.41	3.28	18.34	16.00	18.14	16.00	0.20	-----	11.41	10.00	11.41	-----	50.00	9124
3.46	3.28	16.61	16.00	16.29	16.00	0.32	-----	11.62	10.00	11.62	-----	54.00	8933
3.44	3.28	17.42	16.00	13.72	16.00	0.70	-----	11.40	10.00	11.40	-----	48.00	9806
2.18	-----	11.19	-----	10.57	-----	0.62	-----	5.75	-----	-----	-----	33.36	-----

*Deficient.

**Sold at the rate of 25 cents per lb. can.

**TABLE IV—GROUND
Furnishing Nitrogen**

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
9445	Fine Ground Bone -----	H. F. Gelbach, Evans City -----
7778	Fine Ground Bone -----	Gump Hardware Co., Everett -----
8022	Fine Ground Bone -----	Jefferson Flour & Feed Co., Punxsutawney --
8098	Fine Ground Bone -----	George Kahle, South Oil City -----
10147	Fine Ground Bone -----	King Brothers, Uniontown -----
9139	Fine Ground Bone -----	I. W. Scott Co., Pittsburgh -----
7693	Fine Ground Bone -----	Ed. Seaman, Watsonstown -----
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.	
7928	Armour's Big Crop Bone Meal -----	D. Luther Bogenrief, Mifflinburg -----
9582	Armour's Big Crop Bone Meal -----	D. Luther Bogenrief, Mifflinburg -----
9114	Armour's Big Crop Bone Meal -----	Fayette Farmers Supply Co., Uniontown -----
8269	Armour's Big Crop Bone Meal -----	Reynoldsville Hardware Co., Reynoldsville ----
7807	Armour's Big Crop Bone Meal -----	A. J. Roat Supply Co., Kingston -----
8767	Armour's Big Crop Raw Bone Meal ----	Orr & Grazier, Tyrone -----
8480	Armour's Big Crop Raw Bone Meal -----	Seligman & Co., Inc., Tamaqua -----
9163	Armour's Big Crop Raw Bone Meal ----	A. Skelly, Ebensburg -----
	THE ASSOCIATED CHEMICAL CO., BALTIMORE, MD.	
9195	Fine Bone Meal -----	H. C. Beerits Sons, Somerset -----
8556	Fine Bone Meal -----	H. M. Sayer, Moscow -----
9478	Pure Raw Bone -----	Firestone & Shillito, Dillsburg -----
8538	Pure Raw Bone -----	Omwake Brothers, Greencastle -----
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.	
9141	Baugh's 3 and 50 Bone Meal -----	Beekert Seed Store, Pittsburgh -----
7799	Baugh's 3 and 50 Bone Meal -----	Gallagher & Stevie, Wilkes-Barre -----
10900	Baugh's 3 and 50 Bone Meal -----	D. E. Schwartz, Gettysburg -----
7656	Baugh's 3 and 50 Bone Meal -----	Ed. P. Wargo, Danville -----
9076	Baugh's Raw Bone Meal -----	Edwards Hardware Co., Ebensburg -----
7908	Baugh's Raw Bone Meal -----	Thomas K. George, Homer City -----
9714	Baugh's Raw Bone Meal -----	H. C. McEwen Hardware, New Bethlehem ----
8283	Baugh's Raw Bone Meal -----	Routh & Swartzle, Clearfield -----
	W. S. CAPLES & SON, JOHNSTOWN, PA.	
9938	Cambria's Bone Meal 3-50 -----	W. S. Caples & Son, Johnstown -----
	CONSOLIDATED BY-PRODUCTS CO., PHILADELPHIA, PA.	
8819	Consolidated Bone Meal -----	Moore Seed Co., Philadelphia -----
	CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.	
9034	G. L. F. Steamed Bone Meal -----	Smith Brothers, Bradford -----
	JACOB DOLD PACKING CO., BUFFALO, N. Y.	
8373	Dold's Quality Bone Meal -----	Chaapels Seed Store, Williamsport -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
9150	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal -----	Hoburg Brothers, Etna -----

BONE FERTILIZERS. and Phosphoric Acid

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number.
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
2.93	2.47	24.71	22.88	48.00	9445
2.37	2.47	26.15	22.88	57.00	7778
2.62	2.47	23.45	22.88	48.10	8022
2.92	2.47	22.99	22.88	55.00	8098
2.58	2.47	24.56	22.88	45.65	10147
*2.14	2.47	28.28	22.88	56.00	9139
*2.25	2.47	27.54	22.88		7693
2.58	2.47	24.59	22.00	50.00	7928
2.88	2.47	22.32	22.00	50.00	9582
2.94	2.47	26.80	22.00	48.10	9114
2.56	2.47	27.50	22.00	80.00	8269
2.51	2.47	22.27	22.00	59.35	7807
4.20	3.70	22.46	21.50	53.00	8707
*3.03	3.70	25.04	21.50	50.00	8480
3.96	3.70	22.26	21.50	60.00	9163
2.84	2.47	24.75	23.00	65.00	9195
3.25	2.47	23.56	23.00	43.00	8556
3.51	3.70	25.13	20.00	48.60	9478
3.94	3.70	23.57	20.00		8538
2.88	2.47	26.02	23.00	64.00	9141
2.86	2.47	26.16	23.00	50.00	7799
2.89	2.47	24.54	23.00		10000
2.76	2.47	25.74	23.00	46.00	7656
4.45	3.70	23.00	21.50	64.00	9076
3.98	3.70	22.14	21.50	55.00	7908
3.87	3.70	23.14	21.50		9714
4.05	3.70	22.58	21.50	54.00	8283
2.38	2.47	26.02	23.00	48.00	9938
2.38	2.00	28.27	25.00	60.00	8819
2.87	2.47	24.20	22.00	48.00	9034
2.73	2.47	26.57	23.00	55.00	8373
4.18	3.70	23.55	20.00	58.50	9150

*Deficient.

TABLE IV—GROUND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8216	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal -----	Houek & Cherrington, Catawissa -----
9051	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal -----	Stultz Brothers, Hollidaysburg -----
9941	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal -----	A. F. Stultzman & Son, Johnstown -----
9795	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal -----	G. A. Wolf & Sons, Mt. Wolf -----
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
8581	Bone Meal -----	J. T. Kephart & Son, Philipsburg -----
7839	Bone Meal -----	George W. Shirk, Lock Haven -----
8729	Pure Ground Raw Bone -----	Dairy Products Co., Clearfield -----
9492	Pure Ground Raw Bone -----	McConnell Brothers, Hughesville -----
	INDEPENDENT MANUFACTURING CO., PHILADELPHIA, PA.	
8822	Independent's 3-50 Special Florist's Bone Meal -----	Hosea Waterer, Philadelphia -----
	THE JARECKI CHEMICAL CO., SANDUSKY, OHIO	
8128	Jarecki's Raw Bone Meal -----	J. L. Aleorn, Titusville -----
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
7886	Granger's Bone Meal -----	Keystone Grange Excheange, Inc., Harrisburg -----
	KOLLER FERTILIZER COMPANY, YORK, PA.	
8883	Koller's Old Process Bone Meal -----	Koller Fertilizer Company, York -----
	LANCASTER CHEMICAL CO., LANCASTER, PA.	
9426	No. 9 Bone Meal -----	Laneaster Chemical Co., Lancaster -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
8491	Levan's Pure Fine Ground Bone Meal --	Sebuykill Co-operative Potato Growers Association, New Ringgold, -----
	FRED E. LORD, ESPY, PA.	
7635	Raw Bone Meal -----	Fred E. Lord, Espy -----
9562	Raw Bone Meal -----	Fred E. Lord, Espy -----
7633	Steam Bone Meal -----	Fred E. Lord, Espy -----
9561	Steam Bone Meal -----	Fred E. Lord, Espy -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
8473	Bone Meal -----	S. F. Rarig, Catawissa -----
10008	Bone Meal -----	Walker Brothers, Chambersburg -----
	G. OBER & SONS, CO., BALTIMORE, MD.	
8532	Ober's Refined Bone Meal -----	Chambersburg Milling Co., Chambersburg ---
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.	
9976	Piedmont's Bone Meal, -----	A. G. Smith, Mt. Union -----
7731	Piedmont's Raw Bone Meal, -----	Andrews & Sons, Mapleton Depot -----

BONE FERTILIZERS—Continued.

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number.
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
3.89	3.70	21.98	20.00	50.00	8216
3.97	3.70	23.33	20.00	60.00	9051
5.06	3.70	*19.45	20.00	63.00	9941
4.47	3.70	22.00	20.00	52.00	9795
2.62	2.47	25.96	22.88	----- 43.00 57.50 57.15	8581
3.19	2.47	24.49	22.88		7839
3.97	3.70	*21.03	21.50		8729
3.82	3.70	22.53	21.50		9492
*2.04	2.46	28.57	22.88	-----	8822
4.08	3.70	23.42	21.50	57.50	8128
2.54	2.47	25.56	23.00	48.80	7886
4.36	3.70	24.24	22.00	-----	8883
3.94	3.28	23.46	22.00	-----	9426
3.29	2.47	25.32	22.89	41.08	8491
4.40	3.70	21.54	20.00	47.00	7635
4.92	3.70	22.85	20.00	46.00	9562
3.04	2.46	23.47	22.00	45.00	7633
3.43	2.46	22.53	22.00	44.00	9561
2.89	2.47	26.05	22.88	46.00	8473
2.67	2.47	25.40	22.88	-----	10008
2.52	2.47	29.10	22.00	47.80	8532
3.63	2.47	25.55	22.88	-----	9976
4.45	3.70	20.63	20.00	50.00	7731

*Deficient.

TABLE IV—GROUND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7787	ROBERT A. REICHARD, INC., ALLENTOWN, PA. Reichard's Raw Bone Meal 4 $\frac{1}{2}$ -45 -----	Wm. Krause, Dallas -----
8000	F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD. Royster's Fine Ground Bone Meal -----	H. A. Mendenhall, Toughkenamon -----
9154	Royster's Fine Ground Bone Meal -----	Option Feed Co., Mt. Oliver -----
9096	Royster's Fine Ground Bone Meal -----	Frank G. Reamer & Co., Greensburg -----
9026	Royster's Fine Ground Bone Meal -----	Ridgway Grist Mill, Ridgway -----
8926	Royster's Raw Bone Meal -----	Loueks Hardware, Connellsville -----
8309	Royster's Raw Bone Meal -----	N. E. Shellenberger, Oakland Mills -----
8574	Royster's Raw Bone Meal -----	Weeks Hardware Co., Seranton -----
10046	STANDARD CHEMICAL WORKS, INC., READING, PA. Fine Bone Meal -----	Ben H. Levan, Numidia -----
8566	SUMMERS FERTILIZER, CO., INC., BALTIMORE, MD. Summer's Ground Steamed Bone 3-50 --	Wayne B. Callender, Sweet Valley -----
8265	SWIFT & COMANY, BALTIMORE, MD. Bone Meal Fertilizer -----	M. C. Deitz's Sons, Mechanicsburg -----
7982	Bone Meal Fertilizer -----	Harry T. McDevitt, Mendenhall -----
8219	Bone Meal Fertilizer -----	Archie Ridall, Berwick -----
8728	I. P. THOMAS & SON COMPANY PHILADELPHIA, PA. Pure Ground Animal Bone -----	Farmers' Exchange, Clearfield -----
7822	Pure Ground Bone -----	C. W. Thomas, Danville -----
9266	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y. Fine Ground Bone -----	Charles M. Harter, Wapwallopen -----
8478	Pure Raw Bone -----	Ben H. Levan, Catawissa -----
9120	YORK CHEMICAL WORKS, YORK, PA. Dempwolf's Pure Ground Bone -----	Charles Lumberg, Mt. Jewett -----
		Average -----

BONE FERTILIZERS—Concluded.

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number.
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
3.84	3.69	22.86	20.60	53.00	7787
2.64	2.47	23.32	22.90	51.00	8000
2.55	2.47	25.31	22.90	52.00	9154
3.18	2.47	23.48	22.90	65.00	9096
*2.16	2.47	25.63	22.90	56.00	9026
4.06	3.70	*21.14	21.50	50.90	8926
4.24	3.70	*20.97	21.50	43.00	8309
4.12	3.70	22.10	21.50	80.00	8574
3.26	2.46	24.39	23.00	43.00	10046
2.69	2.46	24.38	22.89	44.10	8566
2.32	2.47	25.27	24.00	50.00	8265
3.06	2.47	*21.46	24.00	47.50	7982
4.02	2.47	*18.22	24.00	43.00	8219
4.30	3.70	22.21	21.00	63.00	8728
2.77	2.45	23.39	23.00	47.20	7822
2.54	2.47	26.14	22.50	50.00	9266
4.16	3.70	22.54	20.60	43.00	8478
2.47	2.46	25.68	23.00	48.00	9120
3.29		24.07		52.47	

*Deficient.

TABLE V—SUPER

Furnishing

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
8936	AA 16% Superphosphate -----	Elwin Allen, Conley -----
9396	AA 16% Superphosphate -----	Torrence DeLong, Loganton -----
9355	AA 16% Superphosphate -----	E. F. England & Son, Bedford -----
8623	AA 16% Superphosphate -----	Farmers Supply Co., New Castle -----
9897	AA 16% Superphosphate -----	Fryberg Roller Mills, Fryberg -----
9448	AA 16% Superphosphate -----	H. F. Gelbach, Evans City -----
8452	AA 16% Superphosphate -----	L. A. Glessman, Conneautville -----
8870	AA 16% Superphosphate -----	John Greenleaf, Quarryville -----
8097	AA 16% Superphosphate -----	George Kahle, South Oil City -----
7884	AA 16% Superphosphate -----	Henry Lechene, Patton -----
7748	AA 16% Superphosphate -----	John T. Morris, Saxton -----
10142	AA 16% Superphosphate -----	Russell Brothers, Washington -----
7606	AA 16% Superphosphate -----	H. A. Snyder, Strawberry Ridge -----
9293	AA 16% Superphosphate -----	H. A. Snyder, Strawberry Ridge -----
9726	AA 16% Superphosphate -----	Waite & Burnham, Tyrone -----
7881	AA 20% Superphosphate -----	M. G. Adams & C. A. Cretin, Patton -----
10073	AA 20% Superphosphate -----	W. A. Bright, Greenville -----
9288	AA 20% Superphosphate -----	Danville State Hospital, Danville -----
8678	AA 20% Superphosphate -----	Graham Brothers, Darlington -----
8838	AA 20% Superphosphate -----	S. E. Rempf, New Milford -----
10141	AA 20% Superphosphate -----	Russell Brothers, Washington -----
9772	AA 20% Superphosphate -----	R. M. Smith, Center Hall -----
9064	AA 20% Superphosphate -----	L. P. Swope, Dunansville -----
8419	Bowker's 16% Superphosphate -----	Johnson-Beyer Co., Rural Valley -----
8642	Bowker's 16% Superphosphate -----	Monaca Roller Mills, Monaca -----
9219	Bowker's 16% Superphosphate -----	P. J. Oesterling & Son, Butler -----
7771	Bowker's 16% Superphosphate -----	George Rohm, Crystal Springs -----
9365	Bowker's 16% Superphosphate -----	George Rohm, Crystal Springs -----
8322	Bowker's 16% Superphosphate -----	C. E. Wissler, Paxtonia -----
8427	E. Frank Coe's 16% Superphosphate -----	W. P. Lauster, Rural Valley -----
9136	E. Frank Coe's 16% Superphosphate -----	I. W. Scott Co., Pittsburgh -----
7756	Hess 16% Superphosphate -----	J. E. Jackson, Everett -----
9366	Hess 16% Superphosphate -----	J. E. Jackson, Everett -----
9651	Hess 16% Superphosphate -----	Elias W. Phillips, Mohrsville -----
8188	Lister's 16% Superphosphate -----	Herman & Wetzel, Selinsgrove -----
8156	Lister's 16% Superphosphate -----	M. H. Hollingshead, Harrisonville -----
8884	Lister's 16% Superphosphate -----	W. H. Stock, New Oxford -----
9521	Lister's 16% Superphosphate -----	J. E. Wible & Brother, Three Springs -----
7775	Patapsco 16% Superphosphate -----	Farmers Supply Co., Everett -----
9361	Patapsco 16% Superphosphate -----	Farmers Supply Co., Everett -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
9527	Armour's Big Crop Fertilizers 16% Superphosphate -----	W. B. Burdge, East Waterford -----
10057	Armour's Big Crop Fertilizers 16% Superphosphate -----	W. K. Davis, Darlington -----
8542	Armour's Big Crop Fertilizers 16% Superphosphate -----	Farmers Elevator Co., Mereersburg -----
7719	Armour's Big Crop Fertilizers 16% Superphosphate -----	Amby Hettler, Leighton -----
8831	Armour's Big Crop Fertilizers 16% Superphosphate -----	Jackson & Hortman, Hop Bottom -----
8028	Armour's Big Crop Fertilizers 16% Superphosphate -----	Keystone Flour & Feed Co., Punxsutawney -----
9732	Armour's Big Crop Fertilizers 16% Superphosphate -----	J. D. London, Cloe -----

PHOSPHATE FERTILIZERS.

Phosphoric Acid

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.96	16.50	18.32	16.00	0.64	0.50	20.00	8936
18.42	16.50	17.84	16.00	0.58	0.50	19.20	9390
18.47	16.50	17.71	16.00	0.76	0.50	20.60	9355
18.61	16.50	17.95	16.00	0.66	0.50	21.50	8623
17.93	16.50	16.65	16.00	1.28	0.50	22.00	9897
18.70	16.50	17.44	16.00	1.26	0.50	22.00	9448
18.82	16.50	17.76	16.00	1.06	0.50	21.00	8452
18.76	16.50	18.16	16.00	0.60	0.50	18.00	8870
18.19	16.50	17.33	16.00	0.86	0.50	21.50	8097
17.65	16.50	17.11	16.00	0.54	0.50	-----	7884
17.37	16.50	16.59	16.00	0.78	0.50	20.50	7748
18.20	16.50	16.94	16.00	1.26	0.50	19.15	10142
17.51	16.50	16.65	16.00	0.86	0.50	17.67	7666
18.30	16.50	17.44	16.00	0.86	0.50	19.66	9293
18.28	16.50	17.76	16.00	0.52	0.50	19.00	9736
21.12	20.50	20.88	20.00	0.24	0.50	-----	7881
22.69	20.50	21.07	20.00	1.62	0.50	26.00	10073
22.12	20.50	21.68	20.00	0.44	0.50	-----	9288
23.01	20.50	22.15	20.00	0.86	0.50	26.00	8678
22.87	20.50	22.27	20.00	1.60	0.50	25.75	8838
23.08	20.50	21.31	20.00	1.77	0.50	23.50	10141
21.47	20.50	20.93	20.00	0.54	0.50	-----	9772
22.97	20.50	22.09	20.00	0.83	0.50	26.00	9064
18.09	16.50	17.53	16.00	0.56	0.50	21.00	8419
19.48	16.50	18.34	16.00	1.14	0.50	22 00	8642
18.59	16.50	17.57	16.00	1.02	0.50	-----	9219
17.53	16.50	16.93	16.00	0.60	0.50	-----	7771
18.16	16.50	17.28	16.00	0.88	0.50	-----	9365
18.09	16.50	17.41	16.00	0.68	0.50	-----	8222
18.29	16.50	17.23	16.00	1.06	0.50	21.50	8427
18.64	16.50	17.94	16.00	0.70	0.50	25 50	9136
17.34	16.50	16.76	16.00	0.58	0.50	21.00	7756
18.23	16.50	17.40	16.00	0.88	0.50	21.00	9366
19.32	16.50	18.08	16.00	1.24	0.50	-----	9651
17.79	16.50	17.17	16.00	1.62	0.50	19.00	8158
17.85	16.50	17.01	16.00	0.84	0.50	-----	8156
19.04	16.50	18.04	16.00	1.00	0.50	17.25	8884
18.88	16.50	18.28	16.00	0.60	0.50	21.00	9521
17.31	16.50	16.55	16.00	0.76	0.50	21.60	7775
18.38	16.50	17.64	16.00	0.74	0.50	21.00	9361
18.27	16.50	17.89	16.00	0.38	0.50	20.75	9527
17.54	16.50	17.18	16.00	0.36	0.50	20.00	10057
17.99	16.50	17.79	16.00	0.20	0.50	-----	8542
17.45	16.50	16.59	16.00	0.86	0.50	-----	7719
18.24	16.50	17.84	16.00	0.40	0.50	20.00	8831
17.88	16.50	17.66	16.00	0.22	0.50	19.70	8028
17.93	16.50	17.67	16.00	0.26	0.50	18.15	9732

TABLE V—SUPER

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—
8666	Armour's Big Crop Fertilizers 16% Superphosphate -----		Moore & Moore, Portersville -----
8001	Armour's Big Crop Fertilizers 16% Superphosphate -----		Passmore Supply Co., Avondale -----
9165	Armour's Big Crop Fertilizers 16% Superphosphate -----		A. Skelly, Ebensburg -----
10085	Armour's Big Crop Fertilizers 16% Superphosphate -----		A. M. Smith, Halifax -----
9613	Armour's Big Crop Fertilizers 16% Superphosphate -----		George H. Steininger, Middleburg -----
7742	Armour's Big Crop Fertilizers 16% Superphosphate -----		D. Stoler, Saxton -----
9193	Armour's Big Crop Fertilizers 20% Superphosphate -----		H. C. Beerits Sons, Somerset -----
8784	Armour's Big Crop Fertilizers 20% Superphosphate -----		Devling Brothers, Galeton -----
8029	Armour's Big Crop Fertilizers 20% Superphosphate -----		Keystone Flour & Feed Co., Punxsutawney --
9731	Armour's Big Crop Fertilizers 20% Superphosphate -----		J. D. London, Cloe -----
8665	Armour's Big Crop Fertilizers 20% Superphosphate -----		Moore & Moore, Portersville -----
8102	Armour's Big Crop Fertilizers 20% Superphosphate -----		Oil City Milling Co., Oil City -----
9525	Armour's Big Crop Fertilizers 20% Superphosphate -----		Taylor Estate, Shade Gap -----
7897	Armour's Big Crop Fertilizers 20% Superphosphate -----		L. B. Weller, Ligonier -----
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.		
7586	Honest 16% Acid Phosphate -----		Chambersburg Fertilizer Works, Chambersburg
10007	Honest 16% Acid Phosphate -----		Chambersburg Fertilizer Works, Chambersburg
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
7579	Baughphos The Ideal 16% Superphosphate -----		Baugh & Sons Company, Philadelphia -----
8800	Baughphos The Ideal 16% Superphosphate -----		Baugh & Sons Company, Philadelphia -----
9152	Baughphos The Ideal 16% Superphosphate -----		Beckert Seed & Bulb Co., Pittsburgh -----
9761	Baughphos The Ideal 16% Superphosphate -----		Belleville Flour Mills, Belleville -----
9924	Baughphos The Ideal 16% Superphosphate -----		Blind & Wilson, West View -----
8528	Baughphos The Ideal 16% Superphosphate -----		D. W. Faust & Sons, Chambersburg -----
9585	Baughphos The Ideal 16% Superphosphate -----		Ralph Fuller, Turbotville -----
7801	Baughphos The Ideal 16% Superphosphate -----		Gallagher & Stevieck, Wilkes-Barre -----
7907	Baughphos The Ideal 16% Superphosphate -----		Thomas K. George, Homer City -----
8009	Baughphos The Ideal 16% Superphosphate -----		Mahoning Hardware Co., Punxsutawney -----
9432	Baughphos The Ideal 16% Superphosphate -----		Midland Milling & Supply Co., Midland -----
9313	Baughphos The Ideal 16% Superphosphate -----		W. C. Moore, Millerstown -----
9733	Baughphos The Ideal 16% Superphosphate -----		Orr & Graizer, Tyrone -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.08	16.50	17.84	16.00	0.24	0.50	21.45	8666
17.40	16.50	17.18	16.00	0.22	0.50	17.00	8001
18.70	16.50	18.36	16.00	0.34	0.50	22.00	9165
17.79	16.50	17.57	16.00	0.22	0.50	17.25	10085
18.23	16.50	17.83	16.00	0.40	0.50	19.00	9613
17.18	16.50	17.04	16.00	0.14	0.50	20.00	7742
21.20	20.50	21.00	20.00	0.20	0.50	24.00	9193
22.04	20.50	21.82	20.00	0.22	0.50	28.60	8734
21.46	20.50	21.38	20.00	0.08	0.50	24.10	8023
21.47	20.50	21.29	20.00	0.18	0.50	22.50	9731
22.04	20.50	21.86	20.00	0.18	0.50	26.00	8665
21.74	20.50	21.54	20.00	0.20	0.50	21.10	8102
21.71	20.50	21.59	20.00	0.12	0.50	-----	9525
20.64	20.50	20.44	20.00	0.20	0.50	26.50	7897
18.83	16.50	17.99	16.00	0.84	0.50	18.75	9583
20.07	16.50	19.09	16.00	0.93	0.50	17.00	10007
18.98	16.00	17.64	16.00	1.34	-----	13.25	7579
19.72	16.00	19.00	16.00	0.72	-----	-----	8800
19.21	16.00	18.13	16.00	1.08	-----	33.00	9152
18.82	16.00	17.82	16.00	1.00	-----	19.50	9761
19.58	16.00	18.76	16.00	0.82	-----	21.00	9924
19.52	16.00	18.74	16.00	0.78	-----	18.50	8523
18.56	16.00	17.52	16.00	1.04	-----	18.00	9585
19.25	16.00	17.91	16.00	1.34	-----	25.00	7801
18.48	16.00	16.96	16.00	1.52	-----	21.70	7907
18.53	16.00	17.89	16.00	0.64	-----	24.00	8009
18.70	16.00	17.88	16.00	0.82	-----	21.00	9432
18.82	16.00	17.60	16.00	1.22	-----	18.50	9313
18.45	16.00	17.55	16.00	0.90	-----	19.50	9733

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
9541	Baughphos The Ideal 16% Superphosphate -----	Schrimper Brothers, Erie -----
7725	Baughphos The Ideal 16% Superphosphate -----	O. F. Smith, Lehighton -----
9659	Baughphos The Ideal 16% Superphosphate -----	O. F. Smith, Lehighton -----
7649	Baughphos The Ideal 16% Superphosphate -----	Ed. P. Wargo, Danville -----
9765	Baughphos The Ideal 20% Superphosphate -----	Belleville Flour Mills, Belleville -----
8293	Baughphos The Ideal 20% Superphosphate -----	Briggs Brothers, Mt. Union -----
8213	Baughphos The Ideal 20% Superphosphate -----	A. W. Eves, Millville -----
9595	Baughphos The Ideal 20% Superphosphate -----	A. W. Eves, Millville -----
8010	Baughphos The Ideal 20% Superphosphate -----	Mahoning Hardware Co., Punxsutawney -----
8124	Baughphos The Ideal 20% Superphosphate -----	Schrimper Brothers, Erie -----
9956	Baughphos The Ideal 20% Superphosphate -----	L. P. Swope & Co., Duncansville -----
	W. S. CAPLES, & SON, JOHNSTOWN, PA.	
9213	Cambria's Superphosphate (Acid Phosphate) -----	W. S. Caples & Son, Johnstown -----
9939	Cambria's Superphosphate (Acid Phosphate) -----	W. S. Caples & Son, Johnstown -----
	CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.	
8250	Carlisle 16% Acid Phosphate -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9463	Carlisle 16% Acid Phosphate -----	Carlisle Fertilizer Works, Inc., Carlisle -----
	CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.	
9190	Gro-All Dissolved Phosphate 16% -----	H. C. Beerits Sons, Somerset -----
9748	Gro-All Dissolved Phosphate 16% -----	H. C. Beerits Sons, Somerset -----
7640	Gro-All Dissolved Phosphate 16% -----	The Central Chemical Company, Milton -----
9820	Gro-All Dissolved Phosphate 16% -----	The Central Chemical Company, Milton -----
7785	Gro-All Dissolved Phosphate 16% -----	Everett Hardware Co., Everett -----
9373	Gro-All Dissolved Phosphate 16% -----	Everett Hardware Co., Everett -----
9176	Gro-All Dissolved Phosphate 16% -----	G. H. Miller, Sidman -----
8539	Gro-All Dissolved Phosphate 16% -----	Omwake Brothers, Greencastle -----
10014	Gro-All Dissolved Phosphate 16% -----	Omwake Brothers, Greencastle -----
9276	Gro-All Dissolved Phosphate 20% -----	A. W. Kenyon, Carbondale -----
9053	Gro-All Dissolved Phosphate 20% -----	H. M. Mohler, Carrolltown -----
	CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.	
8782	G. L. F. 16% Superphosphate -----	Eulalia Milling Co., Coudersport -----
8843	G. L. F. 16% Superphosphate -----	Ross & Post, New Milford -----
9030	G. L. F. 16% Superphosphate -----	Smith Brothers, Bradford -----
8138	G. L. F. 16% Superphosphate -----	Union City Cooperative Association, Union City -----
	EASTERN STATES FARMERS EXCHANGE, SPRINGFIELD, MASS.	
8296	Eastern States Superphosphate 16% -----	F. W. Harris, East Waterford -----
	AMOS EBY & CO., LEAMAN PLACE, PA.	
7620	Eby's 16% Superphosphate -----	Amos Eby & Co., Leaman Place -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
19.67	16.00	19.37	16.00	0.30	-----	24.00	9541
19.59	16.00	18.39	16.00	1.20	-----	20.00	7725
18.57	16.00	17.63	16.00	0.94	-----	19.00	9659
18.46	16.00	16.90	16.00	1.56	-----	18.00	7649
21.57	20.00	21.07	20.00	0.50	-----		9765
22.40	20.00	21.58	20.00	0.82	-----	25.00	8293
22.26	20.00	21.74	20.00	0.52	-----	23.23	8213
22.18	20.00	21.44	20.00	0.74	-----	23.50	9595
21.67	20.00	20.97	20.00	0.70	-----	30.00	8010
22.39	20.00	21.67	20.00	0.72	-----	24.50	8124
21.09	20.00	20.59	20.00	0.50	-----	25.00	9956
20.01	17.00	19.81	16.00	0.20	1.00	22.00	9213
19.71	17.00	19.35	16.00	0.30	1.00	22.00	9939
19.19	16.50	18.21	16.00	0.98	0.50	-----	8250
19.24	16.50	18.10	16.00	1.14	0.50	-----	9463
18.59	16.50	17.67	16.00	0.92	0.50	19.00	9190
17.67	16.50	16.19	16.00	1.48	0.50	20.00	9748
17.55	16.50	16.63	16.00	0.92	0.50	19.50	7640
18.25	16.50	17.67	16.00	0.58	0.50	19.50	9820
17.54	16.50	16.72	16.00	0.82	0.50	22.00	7785
17.85	16.50	16.47	16.00	1.38	0.50	21.00	9373
19.19	16.50	18.69	16.00	0.50	0.50	21.00	9176
19.20	16.50	18.52	16.00	0.68	0.50	-----	8539
18.62	16.50	17.96	16.00	0.66	0.50	-----	10014
20.95	20.50	*19.47	20.00	1.48	0.50	22.00	9276
21.33	20.50	20.49	20.00	0.84	0.50	24.00	9053
18.69	16.50	18.39	16.00	0.30	0.50	20.00	8782
18.47	16.50	17.91	16.00	0.56	0.50	19.00	8843
18.66	16.50	17.70	16.00	0.96	0.50	23.00	9030
18.05	16.50	17.31	16.00	0.74	0.50	21.00	8138
17.85	16.50	16.97	16.00	0.88	0.50	20.00	8296
17.88	17.00	17.48	16.00	0.40	1.00	*17.00	7620

*Deficient.

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
9677	Eby's 16% Superphosphate ----- FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.	Amos Eby & Co., Leaman Place ----- W. L. Burd & Co., Swengle ----- Farmers Fertilizer Works, Elizabethtown ----- Howard S. Hartman, Hamburg ----- W. O. Rearick, Milroy ----- S. O. Reed, Milroy ----- I. B. Seerist, Millerstown -----
10051	Acid Phosphate -----	
7605	Acid Phosphate -----	
9620	Acid Phosphate -----	
9531	Acid Phosphate -----	
8611	Acid Phosphate -----	
9317	Acid Phosphate ----- FARMERS SUPPLY COMPANY, EVERETT, PA.	Farmers Supply Company, McConnellsburg --
9376	Teeumseh Superphosphate ----- GRIFFITH & BOYD CO., BALTIMORE, MD.	
9929	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Adams & Cunningham, Imperial -----
7812	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	J. N. Baker, Allenwood -----
8051	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Howard E. Degler, Shartlesville -----
8671	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Harmony Cereal Mills, Harmony -----
9149	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Hoburg Brothers, Etna -----
9839	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Houek & Cherrington, Catawissa -----
10133	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	R. R. Martin, Saltsburg -----
9081	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	O. O. Meyer, Yatesboro -----
9967	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Harry M. Smith, Bellefonte -----
9742	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	Stultz Brothers, Hollidaysburg -----
9109	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	W. M. Templeton & Sons, Houston -----
9843	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate -----	H. L. Wertman, Montgomery -----
8458	Griffith & Boyd Co.'s 20% Acid Phos- phate -----	E. C. Herriek, Cambridge Springs -----
8435	Griffith & Boyd Co.'s 20% Acid Phos- phate -----	O. O. Meyer, Yatesboro -----
9741	Griffith & Boyd Co.'s 20% Acid Phos- phate -----	Stultz Brothers, Hollidaysburg -----
9108	Griffith & Boyd Co.'s 20% Acid Phos- phate ----- THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD.	W. M. Templeton & Sons, Houston -----
9406	Hubbard's 16% Superphosphate -----	Clinton County Cooperative Association, Loek Haven ----- Coehranton Milling Co., Coe hranton ----- George Freyer muth, Fredonia ----- H. E. Huston, Saltillo ----- Kline Flour Mills Co., Brookville ----- Oil City Milling Co., Oil City ----- George W. Shirk, Loek Haven ----- Star Milling Co., Clymer ----- W. J. Turner, Clarksville ----- Dan. Brought, Lewistown ----- Clinton County Cooperative Association, Loek Haven -----
9544	Hubbard's 16% Superphosphate -----	
9234	Hubbard's 16% Superphosphate -----	
8180	Hubbard's 16% Superphosphate -----	
8738	Hubbard's 16% Superphosphate -----	
8108	Hubbard's 16% Superphosphate -----	
7849	Hubbard's 16% Superphosphate -----	
10130	Hubbard's 16% Superphosphate -----	
8915	Hubbard's 16% Superphosphate -----	
8615	Hubbard's 20% Superphosphate -----	
9403	Hubbard's 20% Superphosphate -----	

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
19.19	17.00	17.77	16.00	1.42	1.00	16.50	9677
17.60	16.00	17.42	16.00	0.18	-----	18.45	10051
17.44	16.00	17.20	16.00	0.24	-----	18.00	7605
18.52	16.00	18.24	16.00	0.28	-----	19.00	9620
17.87	16.00	17.63	16.00	0.24	-----	17.50	9531
17.85	16.00	17.65	16.00	0.20	-----	17.00	8611
18.34	16.00	18.16	16.00	0.18	-----	17.50	9317
18.73	16.50	17.21	16.00	1.52	0.50	19.80	9376
17.95	17.00	17.71	16.00	0.24	1.00	19.70	9929
17.54	17.00	17.22	16.00	0.32	1.00	18.00	7812
18.01	17.00	17.85	16.00	0.16	1.00	-----	8051
18.39	17.00	18.15	16.00	0.24	1.00	22.00	8671
18.53	17.00	18.15	13.00	0.38	1.00	25.00	9149
18.22	17.00	17.80	16.00	0.42	1.00	18.00	9839
18.46	17.00	17.90	16.00	0.56	1.00	20.00	10133
19.29	17.00	19.11	16.00	0.18	1.00	19.20	9081
18.28	17.00	18.08	16.00	0.20	1.00	16.75	9967
18.20	17.00	17.96	16.00	0.24	1.00	24.00	9742
18.92	17.00	18.68	16.00	0.24	1.00	19.70	9109
17.86	17.00	17.56	16.00	0.30	1.00	18.00	9843
20.55	20.50	20.33	20.00	0.22	0.50	25.10	8458
23.97	20.50	23.85	20.00	0.12	0.50	23.60	8435
20.49	20.50	20.27	20.00	0.22	0.50	26.00	9741
22.03	20.50	21.77	20.00	0.26	0.50	24.10	9108
18.85	16.50	17.93	16.00	0.92	0.50	17.40	9406
18.62	16.50	17.50	16.00	1.12	0.50	19.70	9544
18.70	16.50	17.84	16.00	0.86	0.50	21.00	9234
18.55	16.50	17.83	13.00	0.72	0.50	-----	8180
17.81	16.50	17.25	16.00	0.56	0.50	20.00	8738
18.04	16.50	17.22	16.00	0.82	0.50	19.70	8108
17.51	16.50	17.05	16.00	0.46	0.50	17.75	7849
18.34	16.50	17.42	16.00	0.92	0.50	19.00	10130
18.00	16.50	17.64	16.00	0.36	0.50	19.70	8915
21.34	20.50	20.78	20.00	0.56	0.50	-----	8615
22.76	20.50	22.10	20.00	0.66	0.50	21.80	9403

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
8733	Hubbard's 20% Superphosphate -----	Dairy Products Co., Clearfield -----
9784	Hubbard's 20% Superphosphate -----	Ross Goodman, Huntingdon -----
9228	Hubbard's 20% Superphosphate -----	King & Co., Grove City -----
7848	Hubbard's 20% Superphosphate -----	George W. Shirk, Lock Haven -----
7901	Hubbard's 20% Superphosphate -----	Star Milling Co., Clymer -----
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.	
8119	International 16% Superphosphate ----	J. B. Blakely & Co., Harrisville -----
9225	International 16% Superphosphate ----	Snyder & McConnell, Grove City -----
8126	International 20% Superphosphate ----	B. Corwin, Pleasantville -----
	THE JARECKI CHEMICAL CO., SANDUSKY, OHIO.	
8134	Jarecki's 16% Superphosphate -----	J. L. Alcorn, Titusville -----
8508	Jarecki's 16% Superphosphate -----	W. W. Shoemaker, Walnutport -----
8131	Jarecki's 20% Superphosphate -----	J. L. Alcorn, Titusville -----
8507	Jarecki's 20% Superphosphate -----	W. W. Shoemaker, Walnutport -----
9664	Jarecki's 20% Superphosphate -----	W. W. Shoemaker, Walnutport -----
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
8995	Granger's 16% Superphosphate -----	Cochran-ton Cooperative Association, Cochran- ton -----
7887	Granger's 16% Superphosphate -----	Keystone Grange Exchange, Inc., Harrisburg
9011	Granger's 16% Superphosphate -----	D. L. White, Brookville -----
8951	Granger's 16% Superphosphate -----	Howard Yonkin, Dushore -----
8747	Granger's 20% Superphosphate -----	Mark N. Witmer, Dalmatia -----
	KOLLER FERTILIZER COMPANY, YORK, PA.	
8881	Koller's High Grade Superphosphate --	Koller Fertilizer Company, York -----
10093	Koller's High Grade Superphosphate --	Koller Fertilizer Company, York -----
8882	Koller's 20% Superphosphate -----	Koller Fertilizer Company, York -----
9702	Koller's 20% Superphosphate -----	Koller Fertilizer Company, York -----
	LANCASTER BONE FERTILIZER CO., INC., QUARRYVILLE, PA.	
7700	Conestoga Brand Superphosphate 16%	O. D. Kennedy, Elmsport -----
7614	Conestoga Brand Superphosphate 16%	Lancaster Bone Fertilizer Co., Inc., Quarry- ville -----
9431	Conestoga Brand Superphosphate 16%	Lancaster Bone Fertilizer Co., Inc., Quarry- ville -----
9337	Conestoga Brand Superphosphate 16%	E. T. Zubler, Mifflinburg -----
	LANCASTER CHEMICAL CO., LANCASTER, PA.	
8850	No. 16 Phosphoric Acid Special -----	Lancaster Chemical Co., Lancaster -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
8865	Levan's 0-16-0 Superphosphate -----	Herr Brothers, Quarryville -----
7877	Levan's 0-16-0 Superphosphate -----	Vincent A. Huber, Patton -----
8492	Levan's 0-16-0 Superphosphate -----	Schuykill Cooperative Potato Growers As- sociation, New Ringgold -----
	FRED E. LORD, ESPY, PA.	
7627	Acid Phosphate -----	Fred E. Lord, Espy -----
9558	Acid Phosphate -----	Fred E. Lord, Espy -----
	FREDERICK MEHRING FERTILIZER WORKS, INC., KEYMAR, MD.	
8900	20% Superphosphate -----	E. Charles Mathias & Son, Littlestown ---

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
21.34	20.50	20.92	20.00	0.42	0.50	23.50	8733
21.32	20.50	20.56	20.00	0.76	0.50	-----	9784
20.49	20.50	19.89	20.00	0.60	0.50	-----	9228
20.65	20.50	20.19	20.00	0.46	0.50	21.90	7848
19.84	20.50	*19.40	20.00	0.44	0.50	21.00	7901
18.80	16.50	17.64	16.00	1.16	0.50	21.85	8119
18.79	17.00	17.87	16.00	0.92	1.00	21.35	9225
22.11	21.00	21.65	20.00	0.46	1.00	33.00	8126
18.01	16.50	17.47	16.00	0.54	0.50	26.00	8134
18.45	16.50	17.99	16.00	0.46	0.50	18.20	8508
21.95	20.50	21.37	20.00	0.58	0.50	26.00	8131
22.46	20.50	22.20	20.00	0.26	0.50	22.60	8507
22.30	20.50	21.00	20.00	1.30	0.50	-----	9664
19.35	16.50	18.89	16.00	0.46	0.50	20.30	8995
18.38	16.50	17.42	16.00	0.96	0.50	18.80	7887
18.02	16.50	17.18	16.00	0.84	0.50	19.00	9011
18.16	16.50	17.66	16.00	0.50	0.50	18.80	8951
21.84	20.50	21.74	20.00	0.10	0.50	-----	8747
19.38	16.50	18.76	16.00	0.62	0.50	16.75	8881
17.95	16.50	17.75	16.00	0.20	0.50	16.75	10093
23.62	20.50	23.40	20.00	0.22	0.50	20.75	8882
22.00	20.50	21.64	20.00	0.36	0.50	20.75	9702
17.49	17.00	16.77	16.00	0.72	1.00	17.75	7700
17.16	17.00	16.58	16.00	0.58	1.00	-----	7614
18.04	17.00	17.76	16.00	0.28	1.00	-----	9431
18.25	17.00	17.81	16.00	0.44	1.00	18.50	9337
17.96	17.00	17.84	16.00	0.12	1.00	-----	8850
17.76	17.00	17.50	16.00	0.26	1.00	18.00	8865
16.84	17.00	16.56	16.00	0.28	1.00	-----	7877
17.31	17.00	17.11	16.00	0.20	1.00	16.81	8492
17.97	16.50	17.81	16.00	0.16	0.50	17.20	7627
18.66	16.50	18.24	16.00	0.42	0.50	17.50	9558
20.91	20.50	20.63	20.00	0.28	0.50	20.00	8900

*Deficient.

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.		Sample Taken From—	
THE MILLER FERTILIZER CO., BALTIMORE, MD.				
8593	Miller's Superphosphate	16% -----	Ross Goodman, Huntingdon	-----
9782	Miller's Superphosphate	16% -----	Ross Goodman, Huntingdon	-----
9553	Miller's Superphosphate	16% -----	D. H. Gregory, Russell	-----
8057	Miller's Superphosphate	16% -----	W. B. Hartman, Shoemakersville	-----
9811	Miller's Superphosphate	16% -----	C. D. Lindner, Pottsgrove	-----
7833	Miller's Superphosphate	16% -----	H. J. Lindner & Son, Pottsgrove	-----
9711	Miller's Superphosphate	16% -----	R. D. Marshall, Sr., Byer	-----
9499	Miller's Superphosphate	16% -----	H. L. Ort, Pennsdale	-----
9666	Miller's Superphosphate	16% -----	W. W. Shoemaker, Walnutport	-----
7596	Miller's Superphosphate	16% -----	Walker Brothers, Chambersburg	-----
10010	Miller's Superphosphate	16% -----	Walker Brothers, Chambersburg	-----
9675	Miller's Superphosphate	20% -----	W. B. Hartman, Shoemakersville	-----
10011	Miller's Superphosphate	20% -----	Walker Brothers, Chambersburg	-----
MORTON FERTILIZER CO., BALTIMORE, MD.				
7734	Morton's 16% Acid Phosphate	-----	Andrews & Sons, Mapleton Depot	-----
7711	Morton's 16% Acid Phosphate	-----	Walter Kline, Shoemakersville	-----
7962	Morton's 16% Acid Phosphate	-----	H. B. Low & Son, Orangeville	-----
9829	Morton's 16% Acid Phosphate	-----	H. B. Low & Son, Orangeville	-----
8596	Morton's 20% Superphosphate	-----	Roy F. Brown, Mill Creek	-----
G. OBER & SONS CO., BALTIMORE, MD.				
8533	Oher's High Grade Superphosphate	---	Chambersburg Milling Co., Chambersburg	---
9744	Oher's High Grade Superphosphate	---	L. P. Swope & Co., Duncansville	-----
OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.				
9993	O. & S. 16%	-----	Oyler & Spangler Fertilizer Works, Inc., Gettysburg	-----
9056	O. & S. 16%	-----	J. F. Wineland, Curryville	-----
9947	O. & S. 16%	-----	J. F. Wineland, Curryville	-----
PATUXENT GUANO CO., BALTIMORE, MD.				
8186	Patuxent High Grade Acid Phosphate	16% -----	Briggs Brothers, Mt. Union	-----
9475	Patuxent High Grade Acid Phosphate	16% -----	Dillsburg Grain & Milling Co., Dillsburg	-----
9350	Patuxent High Grade Acid Phosphate	16% -----	E. F. England & Son, Bedford	-----
10047	Patuxent High Grade Acid Phosphate	16% -----	J. W. Herman, Beaver Springs	-----
9408	Patuxent High Grade Acid Phosphate	16% -----	E. H. Peek, Nittany	-----
8555	Patuxent High Grade Acid Phosphate	16% -----	H. M. Sayer, Moseow	-----
9999	Patuxent High Grade Acid Phosphate	16% -----	D. E. Schwartz, Gettysburg	-----
7940	Patuxent High Grade Acid Phosphate	16% -----	W. H. Snyder, Winfield	-----
PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.				
8694	Piedmont 16% Superphosphate	-----	Greenville Coal & Ice Co., Greenville	-----
7966	Piedmont 16% Superphosphate	-----	H. B. Low & Son, Orangeville	-----
9826	Piedmont 16% Superphosphate	-----	H. B. Low & Son, Orangeville	-----
9128	Piedmont 16% Superphosphate	-----	R. M. Plyler, Summerville	-----
7738	Piedmont 16% Superphosphate	-----	J. G. Simpson, Huntingdon	-----
9975	Piedmont 16% Superphosphate	-----	A. G. Smith, Mt. Union	-----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.22	16.50	17.60	16.00	0.62	0.50	-----	8593
17.99	16.50	17.13	16.00	0.86	0.50	-----	9782
18.46	16.50	17.74	16.00	0.72	0.50	22.50	9553
17.92	16.50	17.24	16.00	0.68	0.50	18.90	8057
17.63	16.50	16.77	16.00	0.86	0.50	17.95	9811
17.40	17.00	16.88	16.00	0.52	1.00	18.00	7833
18.78	16.50	17.64	16.00	1.14	0.50	-----	9711
18.52	16.50	17.96	16.00	0.56	0.50	20.00	9499
17.55	16.50	17.09	16.00	0.46	0.50	-----	9666
17.50	16.50	16.78	16.00	0.72	0.50	-----	7596
18.20	16.50	17.38	16.00	0.82	0.50	17.00	10010
21.20	20.50	20.78	20.00	0.42	0.50	22.27	9675
21.84	20.50	21.00	20.00	0.84	0.50	21.25	10011
16.72	17.00	16.26	16.00	0.46	1.00	18.50	7734
16.76	17.00	16.14	16.00	0.62	1.00	17.00	7711
16.53	17.00	16.27	16.00	0.26	1.00	18.50	7962
16.75	17.00	16.41	16.00	0.34	1.00	18.00	9829
21.26	21.00	21.16	20.00	0.10	1.00	21.50	8596
18.75	17.00	18.65	16.00	0.10	1.00	17.50	8533
19.50	17.00	19.10	16.00	0.40	1.00	22.00	9744
17.25	16.50	16.85	16.00	0.40	0.50	13.05	9993
19.26	16.50	17.78	16.00	1.48	0.50	19.75	9056
17.69	16.50	17.33	16.00	0.36	0.50	19.80	9947
18.15	17.00	17.27	16.00	0.88	1.00	21.00	8186
17.93	17.00	17.05	16.00	0.88	1.00	18.75	9475
17.63	17.00	16.51	16.00	1.12	1.00	20.00	9350
17.69	17.00	16.91	16.00	0.78	1.00	18.50	10047
17.27	17.00	16.07	16.00	1.20	1.00	17.50	9408
18.76	17.00	17.96	16.00	0.80	1.00	19.00	8555
17.28	17.00	16.44	16.00	0.84	1.00	18.00	9999
17.48	17.00	16.44	16.00	1.04	1.00	19.00	7940
18.33	16.50	17.95	16.00	0.38	0.50	23.00	8694
17.39	16.50	16.89	16.00	0.50	0.50	18.50	7966
16.98	16.50	16.54	16.00	0.44	0.50	18.00	9826
18.56	16.50	17.94	16.00	0.62	0.50	18.50	9128
17.04	16.50	16.10	16.00	0.94	0.50	20.00	7738
16.42	16.50	16.00	16.00	0.42	0.50	-----	9975

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
9314	Piedmont 16% Superphosphate -----	A. H. Uish Sons, Millerstown -----
9129	Piedmont 20% Superphosphate -----	R. M. Plyler, Summerville -----
8294	Piedmont 20% Superphosphate -----	Smith Mill, Mt. Union -----
RASIN MONUMENTAL CO., SUBSIDIARY OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION, BALTIMORE, MD.		
8303	Rasin's 16% Superphosphate -----	W. W. Book, Port Royal -----
7675	Rasin's 16% Superphosphate -----	Ralph Fuller, Turbotville -----
9326	Rasin's 16% Superphosphate -----	Mifflinburg Milling Company, Inc., Mifflinburg -----
7892	Rasin's 16% Superphosphate -----	D. F. Stahl, Latrobe -----
9019	Rasin's 16% Superphosphate -----	Frank Uplinger, Reynoldsville -----
8305	Rasin's 20% Superphosphate -----	W. W. Book, Port Royal -----
8475	Rasin's 20% Superphosphate -----	Ben H. Levan, Catawissa -----
9289	Rasin's 20% Superphosphate -----	H. A. Snyder, Strawberry Ridge -----
READING BONE FERTILIZER CO., READING, PA.		
7749	Reading 16% Clear Acid Phosphate ----	Claybaugh Mills, Everett -----
ROBERT A. REICHARD, INC., ALLENTOWN, PA.		
8044	Reichard's Famous 16% Acid Phosphate -----	Elias Beck, Lehighton -----
9877	Reichard's Famous 16% Acid Phosphate -----	Elias Beck, Lehighton -----
8749	Reichard's Famous 16% Acid Phosphate -----	John Gerhard & Son, Orwigsburg -----
7790	Reichard's Famous 16% Acid Phosphate -----	Wm. Krause, Dallas -----
F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.		
8068	Royster's 16% Superphosphate -----	Ord J. Dohl, Shick-shinny -----
7707	Royster's 16% Superphosphate -----	W. H. Dreibilbis, Shoemakersville -----
9538	Royster's 16% Superphosphate -----	Arthur S. Eisenman, Meadville -----
7916	Royster's 16% Superphosphate -----	Farmers' Exchange, Indiana -----
9438	Royster's 16% Superphosphate -----	Gates Estate Granary, Kittanning -----
9902	Royster's 16% Superphosphate -----	H. B. George, Sligo -----
9156	Royster's 16% Superphosphate -----	I. A. Hamilton, Imperial -----
8195	Royster's 16% Superphosphate -----	A. P. Herman, Kratzerville -----
9523	Royster's 16% Superphosphate -----	Chas. Huston & Brother, Three Springs -----
7999	Royster's 16% Superphosphate -----	H. A. Mendenhall, Toughkenamon -----
9167	Royster's 16% Superphosphate -----	A. Skelly, Ebensburg -----
8071	Royster's 20% Superphosphate -----	Ord J. Dohl, Shick-shinny -----
7704	Royster's 20% Superphosphate -----	W. H. Dreibilbis, Shoemakersville -----
9963	Royster's 20% Superphosphate -----	H. B. George, Sligo -----
7972	Royster's 20% Superphosphate -----	Milbrand Brothers, Paxinos -----
10135	Royster's 20% Superphosphate -----	J. M. Niehoff, Bentleyville -----
9597	Royster's 20% Superphosphate -----	O. O. Ortwine, Millville -----
8311	Royster's 20% Superphosphate -----	N. E. Shellenberger, Oakland Mills -----
SHIPPENSBURG FERTILIZER COMPANY, SHIPPENSBURG, PA.		
7591	Old Reliable Acid Phosphate -----	Shippensburg Fertilizer Company, Shippensburg -----
10033	Old Reliable Acid Phosphate -----	Shippensburg Fertilizer Company, Shippensburg -----
THE SMITH AGRICULTURAL CHEMICAL CO., COLUMBUS, OHIO		
8454	Smith's Sacco 16% Superphosphate ----	L. A. Glessman, Conneautville -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.38	16.50	17.06	16.00	1.32	0.50	18.00	9314
21.79	20.50	21.21	20.00	0.58	0.50	22.50	9129
20.20	20.50	*19.54	20.00	0.66	0.50	27.00	8294
18.29	17.00	17.37	16.00	0.92	1.00	-----	8303
17.26	17.00	16.38	16.00	0.88	1.00	19.00	7675
18.33	17.00	17.95	16.00	0.38	1.00	18.45	9326
18.66	17.00	17.76	16.00	0.90	1.00	20.75	7892
17.85	17.00	17.03	16.00	0.82	1.00	21.25	9019
22.28	21.00	21.52	20.00	0.76	1.00	-----	8305
22.36	21.00	21.94	20.00	0.42	1.00	22.50	8475
22.08	21.00	21.74	20.00	0.34	1.00	23.50	9289
17.55	17.00	16.95	16.00	0.60	0.50	21.00	7749
17.82	17.00	17.72	16.00	0.10	1.00	20.00	8044
16.90	17.00	16.54	16.00	0.36	1.00	-----	9877
17.72	17.00	17.40	16.00	0.32	1.00	-----	8749
16.28	17.00	15.96	16.00	0.32	1.00	17.50	7790
18.46	16.50	17.54	16.00	0.92	0.50	17.70	8068
17.87	16.50	17.05	16.00	0.82	0.50	18.00	7707
18.60	16.50	17.78	16.00	0.82	0.50	21.00	9538
17.65	16.50	16.71	16.00	0.94	0.50	21.00	7916
18.82	16.50	17.66	16.00	1.16	0.50	21.50	9438
18.02	16.50	16.66	16.00	1.36	0.50	20.00	9902
19.17	16.50	18.17	16.00	1.00	0.50	23.50	9156
18.01	16.50	16.95	16.00	1.06	0.50	18.50	8195
18.28	16.50	17.58	16.00	0.70	0.50	21.00	9523
18.08	16.50	17.14	16.00	0.94	0.50	18.00	7999
19.21	16.50	18.43	16.00	0.78	0.50	22.00	9167
21.65	20.50	21.19	20.00	0.46	0.50	22.10	8071
21.71	20.50	21.29	20.00	0.42	0.50	21.00	7704
22.06	20.50	20.92	20.00	1.14	0.50	24.60	9903
22.07	20.50	21.53	20.00	0.54	0.50	21.75	7972
21.93	20.50	20.89	20.00	1.04	0.50	23.25	10135
23.00	20.50	22.06	20.00	0.94	0.50	23.48	9597
22.00	20.50	22.36	20.00	0.24	0.50	20.00	8311
17.69	16.50	16.71	16.00	0.98	0.50	18.75	7591
18.24	16.50	17.76	16.00	0.48	0.50	16.75	10033
17.88	-----	17.06	16.00	0.82	-----	21.00	8454

*Deficient.

TABLE V—SUPER

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
	SOMERSET COUNTY FERTILIZER WORKS, SOMERSET, PA.	
9204	Beaver Brand 16% Acid Phosphate ----	Somerset County Fertilizer Works, Somerset -
9753	Beaver Brand 16% Acid Phosphate ----	Somerset County Fertilizer Works, Somerset -
	STANDARD CHEMICAL WORKS, INC., READING, PA.	
8902	Standard Reading Clear Acid Phosphate ----	Adams County Farm Bureau, Gettysburg ---
7660	Standard Reading Clear Acid Phosphate ----	J. C. Benfield, Milton -----
8561	Standard Reading Clear Acid Phosphate ----	Gay-Murray Co., Inc., Tunkhannock -----
8047	Standard Reading Clear Acid Phosphate ----	Irvin Leshner, Hamburg -----
7867	Standard Reading Clear Acid Phosphate ----	Wm. Westrick, Patton -----
7826	Standard 20% Acid Phosphate -----	J. C. Benfield, Milton -----
9023	Standard 20% Acid Phosphate -----	Ritters Mill, St. Marys -----
7866	Standard 20% Acid Phosphate -----	Wm. Westrick, Patton -----
	STANDARD WHOLESALE PHOSPHATE & ACID WORKS, BALTIMORE, MD.	
8988	Standard United States 16% Superphosphate ----	N. Cohen & Son, Correy -----
7903	Standard United States 16% Superphosphate ----	E. Blaine Wright, Rochester Mills -----
7622	Standard United States 20% Superphosphate ----	N. E. Dietrick, Reading -----
7904	Standard United States 20% Superphosphate ----	E. Blaine Wright, Rochester Mills -----
	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.	
8357	Summer's 16% Superphosphate -----	Freys Hardware Co., Muncy -----
9481	Summer's 16% Superphosphate -----	Freys Hardware Co., Muncy -----
9009	Summer's 16% Superphosphate -----	Keystone Cooperative Grape Association, North East -----
7798	Summer's 16% Superphosphate -----	Luzerne County Cooperative Association, Inc., Wilkes-Barre -----
8239	Summer's 16% Superphosphate -----	C. F. Rarieh, Drums -----
9010	Summer's 20% Superphosphate -----	Keystone Cooperative Grape Association, North East -----
	SWACKS FERTILIZER WORKS, DUBOIS, PA.	
9223	Swack's Acid Phosphate 16% -----	Adams & West, Slippery Rock -----
9718	Swack's Acid Phosphate 16% -----	Anderson Hardware Co., New Bethlehem -----
9550	Swack's Acid Phosphate 16% -----	Cochranon Cooperative Association, Cochran-ton -----
8445	Swack's Acid Phosphate 16% -----	Arthur S. Eiseman, Meadville -----
8267	Swack's Acid Phosphate 16% -----	Reynoldsville Hardware Co., Reynoldsville --
9552	Swack's Acid Phosphate 20% -----	Cochranon Cooperative Association, Cochran-ton -----
8702	Swack's Acid Phosphate 20% -----	L. A. Yeckley, Patton -----
9958	Swack's Acid Phosphate 20% -----	L. A. Yeckley, Patton -----
	SWIFT & COMPANY, BALTIMORE, MD.	
8941	Swift's Red Steer Superphosphate (Acid Phosphate) 16% -----	Elwin Allen, Conley -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.64	17.00	17.26	16.00	0.38	1.00	18.00	9204
19.13	17.00	17.37	16.00	1.76	1.00	19.50	9753
19.06	17.00	18.00	16.00	1.06	1.00	16.50	8962
17.16	17.00	16.20	16.00	0.96	1.00	18.00	7660
17.28	17.00	16.90	16.00	0.38	1.00	20.50	8561
18.23	17.00	16.93	16.00	1.30	1.00	19.32	8047
16.67	16.50	16.13	16.00	0.54	0.50	18.70	7867
20.29	21.00	20.17	20.00	0.12	1.00	21.00	7826
21.91	21.00	21.73	20.00	0.18	1.00	26.00	9023
21.23	21.00	20.91	20.00	0.32	1.00	23.10	7866
17.62	16.50	17.26	16.00	0.36	0.50	21.00	8988
17.64	16.50	16.84	16.00	0.80	0.50	18.50	7903
20.59	20.50	20.13	20.00	0.46	0.50	19.30	7622
20.38	20.50	20.00	20.00	0.38	0.50	22.00	7904
18.66	16.50	18.26	16.00	0.40	0.50	17.00	8357
17.96	16.50	17.02	16.00	0.94	0.50	18.00	9481
18.47	16.50	18.23	16.00	0.24	0.50	19.20	9009
16.75	16.50	16.33	16.00	0.42	0.50	20.05	7798
17.71	16.50	17.41	16.00	0.30	0.50	17.55	8239
21.07	20.50	20.93	20.00	0.14	0.50	23.60	9010
18.70	16.50	17.66	16.00	1.04	0.50	22.00	9223
18.55	16.50	17.87	16.00	0.68	0.50	21.60	9718
18.22	16.50	17.84	16.00	0.38	0.50	17.30	9550
18.04	16.50	17.84	16.00	0.20	0.50	20.50	8445
18.62	16.50	17.98	16.00	0.64	0.50	22.00	8267
22.28	20.50	21.82	20.00	0.46	0.50	21.30	9552
22.69	20.50	22.37	20.00	0.32	0.50	23.00	8702
23.04	20.50	22.68	20.00	0.36	0.50	22.90	9958
18.34	16.00	17.84	16.00	0.50	-----	20.00	8941

TABLE V—SUPER

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
8638	Swift's Red Steer Superphosphate (Acid Phosphate) 16%	-----	J. H. Figley, Aliquippa	-----
8110	Swift's Red Steer Superphosphate (Acid Phosphate) 16%	-----	J. H. Laverys' Sons, Franklin	-----
9454	Swift's Red Steer Superphosphate (Acid Phosphate) 16%	-----	Petersburg Milling Co., Bessemer	-----
10145	Swift's Red Steer Superphosphate (Acid Phosphate) 16%	-----	Western Flour Co., Charleroi	-----
8907	Swift's Red Steer Superphosphate (Acid Phosphate) 20%	-----	Donora Flour & Feed, Donora	-----
9145	Swift's Red Steer Superphosphate (Acid Phosphate) 20%	-----	Northern Seed & Tractor Co., Pittsburgh	--
9452	Swift's Red Steer Superphosphate (Acid Phosphate) 20%	-----	Petersburg Milling Co., Bessemer	-----
7764	Swift's Superphosphate (Acid Phosphate) 16%	-----	W. A. Annick, Clearville	-----
8276	Swift's Superphosphate (Acid Phosphate) 16%	-----	Gates Hardware, Grampion	-----
8756	Swift's Superphosphate (Acid Phosphate) 16%	-----	Alvin P. Green, Lehighton	-----
7945	Swift's Superphosphate (Acid Phosphate) 16%	-----	Neil S. Harrison, Forks	-----
9835	Swift's Superphosphate (Acid Phosphate) 16%	-----	S. R. Kline, Benton	-----
9710	Swift's Superphosphate (Acid Phosphate) 16%	-----	Kline Flour Mills Co., Brookville	-----
7795	Swift's Superphosphate (Acid Phosphate) 16%	-----	Wm. Krause, Dallas	-----
7980	Swift's Superphosphate (Acid Phosphate) 16%	-----	Harry T. McDevitt, Mendenhall	-----
9845	Swift's Superphosphate (Acid Phosphate) 16%	-----	A. C. Myers, Lock Haven	-----
I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.				
8727	16% Superphosphate	-----	Farmers' Exchange, Clearfield	-----
9912	16% Superphosphate	-----	Farmers' Exchange, Clearfield	-----
8975	16% Superphosphate	-----	S. N. Hill & Son, Markham	-----
8298	16% Superphosphate	-----	J. S. McMath, Blairs Mills	-----
8411	16% Superphosphate	-----	C. C. Pollock, Marion Center	-----
7819	16% Superphosphate	-----	C. W. Thomas, Danville	-----
9378	16% Superphosphate	-----	C. W. Thomas, Danville	-----
8726	20% Superphosphate	-----	Farmers' Exchange, Clearfield	-----
9913	20% Superphosphate	-----	Farmers' Exchange, Clearfield	-----
F. W. TUNNELL & CO., INC., PHILADELPHIA, PA.				
8505	16% Acid Phosphate	-----	Martin Christman, Lehighton	-----
8959	16% Acid Phosphate	-----	L. R. Levengood, Pottstown	-----
VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.				
9414	V-C Phospho Tobacco	-----	H. H. McKibben, Lock Haven	-----
9132	V-C 16% Superphosphate	-----	Anderson Hardware, New Bethlehem	-----
9722	V-C 16% Superphosphate	-----	Anderson Hardware, New Bethlehem	-----
8641	V-C 16% Superphosphate	-----	Bickerstaff-Todd, Aliquippa	-----
8998	V-C 16% Superphosphate	-----	Edinboro Cooperative Association, Edinboro	--
8433	V-C 16% Superphosphate	-----	R. H. Goldstroom, Echo	-----
9554	V-C 16% Superphosphate	-----	D. H. Gregory, Russell	-----
10049	V-C 16% Superphosphate	-----	J. W. Herman, Beaver Springs	-----
9654	V-C 16% Superphosphate	-----	Lehighton Hardware Co., Lehighton	-----
7850	V-C 16% Superphosphate	-----	H. H. McKibben, Lock Haven	-----
9415	V-C 16% Superphosphate	-----	H. H. McKibben, Lock Haven	-----
8173	V-C 16% Superphosphate	-----	Clay Parks, Three Springs	-----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.37	16.00	17.67	16.00	0.70	-----	23.00	8638
18.04	16.00	17.72	16.00	0.32	-----	24.00	8110
18.30	16.00	17.84	16.00	0.46	-----	20.50	9454
17.87	16.00	17.37	16.00	0.50	-----	22.00	10145
21.95	20.00	21.59	20.00	0.36	-----	24.10	8907
22.69	20.00	21.75	20.00	0.94	-----	34.00	9145
21.69	20.00	21.15	20.00	0.54	-----	24.00	9452
17.26	16.00	16.90	16.00	0.36	-----	20.00	7764
17.82	16.00	17.46	16.00	0.36	-----	20.00	8276
18.37	16.00	17.97	16.00	0.40	-----		8756
17.25	16.00	16.97	16.00	0.28	-----	18.00	7945
17.31	16.00	16.67	16.00	0.64	-----	18.25	9835
17.87	16.00	17.69	16.00	0.18	-----	20.00	9710
16.97	16.00	16.67	16.00	0.30	-----	19.00	7795
17.57	16.00	17.27	16.00	0.30	-----	19.00	7980
17.93	16.00	17.73	16.00	0.20	-----	18.65	9845
19.11	17.00	18.97	16.00	0.14	1.00	21.00	8727
19.44	17.00	18.36	16.00	1.08	1.00	24.00	9912
19.08	17.00	18.80	16.00	0.28	1.00	17.50	8975
18.28	17.00	17.86	16.00	0.42	1.00	21.50	8298
19.44	17.00	18.98	16.00	0.46	1.00	17.50	8411
17.88	17.00	17.60	16.00	0.28	1.00	18.65	7819
19.36	17.00	17.92	16.00	1.44	1.00	18.20	9378
22.21	20.00	22.03	20.00	0.18	-----	27.00	8726
23.96	20.00	23.56	20.00	0.40	-----	29.00	9913
19.01	17.00	18.33	16.00	0.33	1.00	14.20	8505
19.71	17.00	18.83	16.00	0.88	1.00	19.00	8959
19.57	17.00	19.27	16.00	0.30	1.00	23.00	9414
18.83	17.00	17.91	16.00	0.92	1.00	21.60	9132
18.93	17.00	18.07	16.00	0.86	1.00	21.60	9722
19.43	17.00	18.47	16.00	0.96	1.00	22.50	8641
18.73	17.00	18.11	16.00	0.62	1.00	19.00	8998
18.73	17.00	18.09	16.00	0.64	1.00	21.00	8433
19.03	17.00	18.27	16.00	0.76	1.00	22.50	9554
17.22	17.00	16.92	16.00	0.30	1.00	18.50	10049
19.91	17.00	18.51	16.00	1.40	1.00	20.50	9654
17.62	17.00	16.72	16.00	0.90	1.00	19.25	7850
17.45	17.00	16.65	16.00	0.80	1.00	18.00	9415
17.07	17.00	16.07	16.00	1.00	1.00	21.00	8173

TABLE V—SUPER

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9524	V-C 16% Superphosphate -----	Clay Parks, Three Springs -----
8190	V-C 16% Superphosphate -----	Selinsgrove Coal & Farmers' Supply Co., Selinsgrove -----
8997	V-C 20% Superphosphate -----	Edinboro Cooperative Association, Edinboro --
9068	V-C 20% Superphosphate -----	E. J. Hite, Hollidaysburg -----
WASHINGTON, ALEXANDER & COOKE CO., CHARLES TOWN, W. VA.		
8857	Wacco 16% Superphosphate -----	B. F. Rhoads, Quarryville -----
9884	Wacco 16% Superphosphate -----	B. F. Rhoads, Quarryville -----
YORK CHEMICAL WORKS, YORK, PA.		
8158	Dempwolf's Superphosphate 16% -----	Charles Bard, Knobsville -----
8086	Dempwolf's Superphosphate 16% -----	B. W. Bedell, Mill City -----
9954	Dempwolf's Superphosphate 16% -----	H. N. Dilling, Martinsburg -----
9688	Dempwolf's Superphosphate 16% -----	Fisher & Son, West Chester -----
9418	Dempwolf's Superphosphate 16% -----	C. E. Frazier, Mill Hall -----
9518	Dempwolf's Superphosphate 16% -----	H. E. Huston, Saltillo -----
9043	Dempwolf's Superphosphate 16% -----	Red Lion Exchange, Red Lion -----
9804	Dempwolf's Superphosphate 16% -----	York Chemical Works, York -----
9422	Dempwolf's Superphosphate 20% -----	C. E. Frazier, Mill Hall -----
9879	Dempwolf's Superphosphate 20% -----	James K. Lewis, Honeybrook -----
9803	Dempwolf's Superphosphate 20% -----	York Chemical Works, York -----
		Average -----
LIME PHOSPHATES		
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
9393	AA Basic Lime Phosphate -----	Torrence DeLong, Loganton -----
10125	AA Basic Lime Phosphate -----	Harvey Detweiler, Chester Springs -----
8546	AA Basic Lime Phosphate -----	Farmers' Elevator Co., Mercersburg -----
7779	AA Basic Lime Phosphate -----	Gump Hardware Co., Everett -----
9364	AA Basic Lime Phosphate -----	Gump Hardware Co., Everett -----
8287	AA Basic Lime Phosphate -----	J. Walter Hamer, West Decatur -----
9671	AA Basic Lime Phosphate -----	James M. Hix, Hamburg -----
7665	AA Basic Lime Phosphate -----	H. A. Snyder, Strawberry Ridge -----
9615	AA Basic Lime Phosphate -----	W. B. Winey & Son, Middleburg -----
9182	AA Tobac -----	H. O. Beerits Sons, Somerset -----
7776	Lister's Lime Phosphate -----	Farmers' Supply Co., Everett -----
9367	Lister's Lime Phosphate -----	J. E. Jackson, Everett -----
7769	Lister's Lime Phosphate -----	George Rohm, Crystal Springs -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
9192	Armour's Lime Phosphate 13% -----	H. C. Beerits Sons, Somerset -----
9489	Armour's Lime Phosphate 13% -----	McConnell Brothers, Hughesville -----
BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
8598	Baugh's Lime and Phosphate -----	Belleville Flour Mills, Belleville -----
9535	Baugh's Lime and Phosphate -----	Belleville Flour Mills, Belleville -----
8526	Baugh's Lime and Phosphate -----	D. W. Faust & Sons, Chambersburg -----
8011	Baugh's Lime and Phosphate -----	Mahoning Hardware Co., Punxsutawney -----
9312	Baugh's Lime and Phosphate -----	W. C. Moore, Millerstown -----
CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.		
8249	Carlisle 13% Lime Phosphate -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9469	Carlisle 13% Lime Phosphate -----	Carlisle Fertilizer Works, Inc., Carlisle -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.65	17.00	17.75	16.00	0.90	1.00	21.00	9524
17.97	17.00	17.17	16.00	0.80	1.00	19.00	8190
22.57	21.00	22.01	20.00	0.56	1.00	24.00	8097
22.65	21.00	21.75	20.00	0.90	1.00	26.00	9068
19.26	16.50	18.92	16.00	0.34	0.50	19.40	8857
17.91	16.50	17.39	16.00	0.52	0.50	18.75	9884
17.63	16.00	17.41	16.00	6.22	----	-----	8158
18.08	16.00	17.90	16.00	0.18	----	18.50	8086
18.47	16.00	18.19	16.00	0.28	----	20.50	9954
18.69	16.00	18.01	16.00	0.68	----	20.00	9688
18.43	16.00	18.11	16.00	0.32	----	18.00	9418
17.31	16.00	17.15	16.00	0.16	----	-----	9518
18.13	16.00	17.89	16.00	0.24	----	-----	9043
17.81	16.00	17.67	16.00	0.14	----	16.40	9894
21.62	20.00	21.40	20.00	0.22	----	22.25	9422
21.99	20.00	21.77	20.00	0.22	----	-----	8979
20.87	20.00	20.71	20.00	0.16	----	20.55	9863
19.06	-----	18.44	-----	0.62	----	20.64	----
16.19	13.50	14.25	13.00	1.94	0.50	19.70	9393
15.64	13.50	13.76	13.00	1.88	0.50	21.00	10125
16.29	13.50	15.37	13.00	0.92	0.50	-----	8546
14.59	13.50	13.59	13.00	1.00	0.50	21.00	7779
15.68	13.50	13.88	13.00	1.80	0.50	22.00	9364
15.14	13.50	13.50	13.00	1.64	0.50	23.00	8287
16.29	13.50	14.35	13.00	1.94	0.50	-----	9671
15.05	13.50	13.93	13.00	1.12	0.50	17.67	7665
14.77	13.50	13.65	13.00	1.12	0.50	19.00	9615
15.64	13.50	15.12	13.00	0.52	0.50	23.00	9182
14.67	13.50	13.75	13.00	0.92	0.50	21.00	7776
16.02	13.50	13.62	13.00	2.40	0.50	21.00	9367
14.87	13.50	13.93	13.00	0.94	0.50	-----	7769
16.14	13.50	*12.72	13.00	3.42	0.50	20.00	9192
14.97	13.50	*11.69	13.00	3.28	0.50	19.65	9489
15.91	13.00	14.91	13.00	1.00	----	-----	8598
16.02	13.00	15.04	13.00	0.98	----	19.50	9535
16.06	13.00	15.36	13.00	0.70	----	19.00	8526
15.65	13.00	14.33	13.00	0.72	----	24.00	8011
15.42	13.00	14.28	13.00	1.14	----	18.50	9312
16.35	13.50	14.39	13.00	1.96	0.50	-----	8249
17.08	14.00	14.36	13.00	2.72	1.00	-----	9469

*Deficient.

TABLE V—SUPER

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
10021	CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD. Gro-All Carbo Lime Phosphate -----	Wolf & Company, Inc., Mercersburg -----
7811	GRIFFITH & BOYD CO. BALTIMORE, MD. Griffith & Boyd Co.'s Lime Phosphate -----	J. N. Baker, Allenwood -----
9080	Griffith & Boyd Co.'s Lime Phosphate -----	O. O. Meyer, Yatesboro -----
8185	PATUXENT GUANO CO., BALTIMORE, MD. Patuxent Lime Phosphate -----	Briggs Brothers, Mt. Union -----
9974	Patuxent Lime Phosphate -----	Briggs Brothers, Mt. Union -----
9407	Patuxent Lime Phosphate -----	E. H. Peck, Nittany -----
8340	RASIN MONUMENTAL CO., SUBSIDI- ARY OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y. Rasin's Phospho Tobacco -----	J. J. Markle, State College -----
8192	Rasin's Phospho Tobacco -----	Selinsgrove Coal & Farmers' Supply Co., Selinsgrove -----
9610	Rasin's Phospho Tobacco -----	Selinsgrove Coal & Farmers' Supply Co., Selinsgrove -----
8855	WASHINGTON, ALEXANDER & COOKE CO., CHARLES TOWN, W. VA. Wacco Lime Phosphate Mixture -----	B. F. Rhoads, Quarryville -----
9885	Wacco Lime Phosphate Mixture -----	B. F. Rhoads, Quarryville -----
9953	YORK CHEMICAL WORKS, YORK, PA. Dempwolf's Lime Phosphate 13% -----	H. N. Dilling, Martinsburg -----
		Average -----

PHOSPHATE FERTILIZERS—Concluded.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.83	-----	17.75	13.00	1.08	----	18.00	10021
14.40	14.00	13.54	13.00	0.86	1.00	18.00	7811
14.95	14.00	13.59	13.00	1.36	1.00	19.20	9080
17.60	14.00	16.84	13.00	0.76	1.00	21.00	8185
14.29	14.00	13.11	13.00	1.18	1.00	20.00	9974
17.72	14.00	16.54	13.00	1.18	1.00	17.50	9407
15.84	14.00	15.36	13.00	0.48	1.00	-----	8340
14.90	14.00	14.04	13.00	0.86	1.00	20.50	8792
14.95	14.00	14.69	13.00	0.26	1.00	20.50	9610
15.46	14.00	14.04	13.00	1.42	1.00	19.40	8855
15.06	-----	13.52	13.00	1.54	----	19.00	9885
15.60	14.00	14.30	13.00	1.30	1.00	20.50	9953
15.69	-----	14.33	-----	1.36	----	20.10	----

**TABLE VI—ROCK AND
Furnishing Phosphoric**

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
9303	AA Victory Mixture -----	David S. Ensminger, Palmyra -----
8451	AA Victory Mixture -----	L. A. Glessman, Conneautville -----
9672	AA Victory Mixture -----	James M. Hix, Hamburg -----
9370	AA Victory Mixture -----	Metzer Company, Bedford -----
7745	AA Victory Mixture -----	John T. Morris, Saxton -----
9504	AA Victory Mixture -----	W. S. Opp, Opp -----
9127	AA Victory Mixture -----	Reitz Store Co., Ohl -----
8712	AA Victory Mixture -----	Waite & Burnham, Tyrone -----
9738	AA Victory Mixture -----	Waite & Burnham, Tyrone -----
7935	AA Victory Mixture -----	J. P. Walters, Vicksburg -----
9184	AA XXX Mixture -----	H. C. Beerits Sons, Somerset -----
8679	AA XXX Mixture -----	Graham Brothers, Darlington -----
7691	AA XXX Mixture -----	Ed. Seaman, Watontown -----
8715	AA XXX Mixture -----	Waite & Burnham, Tyrone -----
8943	AA XXX Mixture -----	Wilson Farm Equipment Co., Troy -----
8227	Bowker's Boss Mixture -----	W. B. Kirkendall, Nescopeck -----
9773	Bowker's Boss Mixture -----	R. M. Smith, Center Hall -----
9360	Lister's Atlas Mixture -----	Farmers Supply Co., Everett -----
8189	Lister's Atlas Mixture -----	Herman & Wetzel, Selinsgrove -----
9607	Lister's Atlas Mixture -----	Herman & Wetzel, Selinsgrove -----
9942	Lister's Atlas Mixture -----	E. J. Seymore, Dysart -----
8885	Lister's Atlas Mixture -----	W. H. Stoeck, New Oxford -----
8178	Lister's Atlas Mixture -----	John Wible, Three Springs -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
9229	Armour's Big Crop Fertilizers 10-10 ---	King & Company, Grove City -----
8944	Armour's Big Crop Fertilizers 10-10 ---	Wilson Farm Equipment Co., Troy -----
8743	Armour's Big Crop Fertilizers 12-5 ---	Frank L. Allen, Allenwood -----
9727	Armour's Big Crop Fertilizers 12-5 ---	A. J. Dean & Son, Hawthorne -----
8740	Armour's Big Crop Fertilizers 12-5 ---	Fetzer Brother, Brookville -----
9230	Armour's Big Crop Fertilizers 12-5 ---	King & Company, Grove City -----
9612	Armour's Big Crop Fertilizers 12-5 ---	George H. Steininger, Middleburg -----
8346	Armour's Big Crop Fertilizers 12-5 ---	Roy Zimmerman, Bellefonte -----
BALTIMORE FERTILIZER COMPANY, BALTIMORE, MD.		
7580	Honest 12-5 -----	Chambersburg Fertilizer Works, Chambersburg -----
10004	Honest 12-5 -----	Chambersburg Fertilizer Works, Chambersburg -----
BAUGH & SONS COMPANY PHILADELPHIA, PA.		
9237	Baugh's 10 and 10 Phosphate and Potash Mixture -----	George Freyermuth, Fredonia -----
8778	Baugh's 10 and 10 Phosphate and Potash Mixture -----	D. E. Goodenough & Sons, Coudersport -----
7651	Baugh's 10 and 10 Phosphate and Potash Mixture -----	Ed. P. Wargo, Danville -----
9536	Baugh's 12 and 5 Phosphate and Potash Mixture -----	Belleville Flour Mills, Belleville -----
8143	Baugh's 12 and 5 Phosphate and Potash Mixture -----	Dillsburg Grain & Milling Co., Dillsburg -----
9594	Baugh's 12 and 5 Phosphate and Potash Mixture -----	A. W. Eves, Millville -----
9235	Baugh's 12 and 5 Phosphate and Potash Mixture -----	George Freyermuth, Fredonia -----
8337	Baugh's 12 and 5 Phosphate and Potash Mixture -----	Wm. McClenahan, Center Hall -----

POTASH FERTILIZERS

Acid and Potash

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.43	12.50	12.31	12.00	1.12	0.50	5.02	5.00	5.02	-----	23.25	9303
13.48	12.50	12.96	12.00	0.52	0.50	5.13	5.00	5.13	-----	28.00	8451
14.09	12.50	13.27	12.00	0.82	0.50	5.09	5.00	5.09	-----	-----	9672
13.42	12.50	12.10	12.00	1.32	0.50	5.01	5.00	5.01	-----	-----	9370
12.64	12.50	12.18	12.00	0.46	0.50	5.14	5.00	5.14	-----	26.95	7745
13.62	12.50	12.54	12.00	1.08	0.50	5.13	5.00	5.13	-----	25.00	9504
13.37	12.50	12.79	12.00	0.58	0.50	5.11	5.00	5.11	-----	25.00	9127
13.22	12.50	12.56	12.00	0.66	0.50	5.38	5.00	5.38	-----	27.00	8712
13.60	12.50	12.32	12.00	1.28	0.50	5.21	5.00	5.21	-----	27.00	9738
12.79	12.50	12.43	12.00	0.36	0.50	5.21	5.00	5.21	-----	27.00	7935
11.82	10.50	11.46	10.00	0.36	0.50	10.13	10.00	10.13	-----	29.00	9184
11.29	10.50	10.85	10.00	0.44	0.50	10.58	10.00	10.58	-----	31.50	8679
11.03	10.50	10.53	10.00	0.50	0.50	9.93	10.00	9.93	-----	-----	7691
11.65	10.50	11.37	10.00	0.28	0.50	10.30	10.00	10.30	-----	30.00	8715
11.00	10.50	10.66	10.00	0.34	0.50	10.41	10.00	10.41	-----	32.00	8943
13.18	12.50	12.88	12.00	0.30	0.50	5.54	5.00	5.54	-----	25.95	8227
13.59	12.50	12.73	12.00	0.86	0.50	5.04	5.00	5.04	-----	-----	9773
13.60	12.50	12.32	12.00	1.28	0.50	5.15	5.00	5.15	-----	29.00	9360
12.97	12.50	12.49	12.00	0.48	0.50	5.37	5.00	5.37	-----	26.00	8189
13.24	12.50	12.20	12.00	1.04	0.50	5.12	5.00	5.12	-----	26.00	9607
13.76	12.50	12.76	12.00	1.00	0.50	5.21	5.00	5.21	-----	-----	9942
13.65	12.50	13.01	12.00	0.64	0.50	5.54	5.00	5.54	-----	24.15	8885
13.59	12.50	13.01	12.00	0.58	0.50	5.18	5.00	5.18	-----	-----	8178
11.80	10.50	10.58	10.00	1.22	0.50	10.36	10.00	10.36	-----	-----	9229
11.60	10.50	11.50	10.00	0.10	0.50	10.57	10.00	10.57	-----	32.00	8944
12.91	12.50	12.71	12.00	0.20	0.50	5.45	5.00	5.45	-----	26.35	8743
12.83	12.50	12.59	12.00	0.24	0.50	5.49	5.00	5.49	-----	28.00	9727
13.06	12.50	12.80	12.00	0.26	0.50	5.02	5.00	5.02	-----	38.00	8740
13.89	12.50	12.87	12.00	1.02	0.50	4.97	5.00	4.97	-----	-----	9230
12.83	12.50	12.65	12.00	0.18	0.50	5.01	5.00	5.01	-----	26.00	9012
13.11	12.50	13.01	12.00	0.10	0.50	5.55	5.00	5.55	-----	-----	8346
14.18	12.50	13.76	12.00	0.42	0.50	*4.44	5.00	4.44	-----	25.50	7580
13.85	12.50	13.29	12.00	0.56	0.50	5.24	5.00	5.24	-----	24.00	10004
12.04	10.00	11.40	10.00	0.64	-----	*9.57	10.00	9.57	-----	31.50	9237
11.51	10.00	10.63	10.00	0.88	-----	*9.55	10.00	9.55	-----	30.00	8778
10.77	10.00	10.37	10.00	0.40	-----	10.08	10.00	10.08	-----	28.25	7651
13.18	12.00	12.38	12.00	0.80	-----	5.02	5.00	5.02	-----	26.00	9536
13.65	12.00	13.11	12.00	0.54	-----	5.30	5.00	5.30	-----	21.15	8143
14.26	12.00	13.62	12.00	0.64	-----	5.04	5.00	5.04	-----	24.50	9594
13.46	12.00	12.86	12.00	0.60	-----	5.31	5.00	5.31	-----	27.50	9235
13.50	12.00	13.24	12.00	0.26	-----	5.88	5.00	5.88	-----	24.50	8337

*Deficient.

TABLE VI—ROCK AND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9311	Baugh's 12 and 5 Phosphate and Potash Mixture -----	W. C. Moore, Millerstown -----
9896	Baugh's 12 and 5 Phosphate and Potash Mixture -----	M. J. Schill & Company, Marble -----
9660	Baugh's 12 and 5 Phosphate and Potash Mixture -----	O. F. Smith, Lehighton -----
7653	Baugh's 12 and 5 Phosphate and Potash Mixture -----	Ed. P. Wargo, Danville -----
	CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.	
8246	Carlisle 12-5 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
9466	Carlisle 12-5 -----	Carlisle Fertilizer Works, Inc., Carlisle -----
	CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.	
9062	Gro-All Potash Special 0-12-5 -----	Brumhaugh & Nissley, Martinsburg -----
7642	Gro-All Potash Special 0-12-5 -----	Central Chemical Company, Milton -----
9821	Gro-All Potash Special 0-12-5 -----	Central Chemical Company, Milton -----
7781	Gro-All Potash Special 0-12-5 -----	Everett Hardware Co., Everett -----
8536	Gro-All Potash Special 0-12-5 -----	Omwake Brothers, Greencastle -----
10012	Gro-All Potash Special 0-12-5 -----	Omwake Brothers, Greencastle -----
9963	Gro-All Potash Special 0-12-5 -----	M. G. Shucker, McConnellstown -----
	AMOS EBY & CO., LEAMAN PLACE, PA.	
7617	Eby Farmers' Mixture -----	Amos Eby & Co., Leaman Place -----
9676	Eby Farmers' Mixture -----	Amos Eby & Co., Leaman Place -----
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.	
8597	Farmers' Phosphate and Potash -----	Belleville Flour Mills, Belleville -----
9389	Farmers' Phosphate and Potash -----	Farmers Fertilizer Works, Elizabethtown -----
	FARMERS SUPPLY COMPANY, EVERETT, PA.	
9374	Tecumseh Tomahawk -----	Farmers Supply Company, McConnellsburg -----
	W. C. FOLLMER, BENTON, PA.	
7951	12 and 5 Phosphate -----	W. C. Follmer, Benton -----
9603	12 and 5 Phosphate -----	W. C. Follmer, Benton -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
7815	Griffith & Boyd Co.'s Special Grain Grower -----	J. N. Baker, Allenwood -----
9849	Griffith & Boyd Co.'s Special Grain Grower -----	J. E. Callahan & Sons, Montoursville -----
10029	Griffith & Boyd Co.'s Special Grain Grower -----	Houck & Cherrington, Catawissa -----
8314	Griffith & Boyd Co.'s Special Grain Grower -----	I. M. Jamison, McAllisterville -----
10016	Griffith & Boyd Co.'s Special Grain Grower -----	Strickler & Gillan, Greencastle -----
9797	Griffith & Boyd Co.'s Special Grain Grower -----	G. A. Wolf & Sons, Mt. Wolf -----
8364	Griffith & Boyd Co.'s XX Potash Manure -----	J. S. Artley, Muncy -----
10134	Griffith & Boyd Co.'s XX Potash Manure -----	R. R. Martin, Saltsburg -----
8437	Griffith & Boyd Co.'s XX Potash Manure -----	O. O. Meyer, Yatesboro -----

POTASH FERTILIZERS—Continued

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.24	12.00	12.32	12.00	0.92	-----	5.09	5.00	5.09	-----	24.50	9311
13.73	12.00	12.55	12.00	1.18	-----	5.47	5.00	5.47	-----	26.50	9806
13.76	12.00	12.86	12.00	0.90	-----	5.68	5.00	5.68	-----	25.00	9600
12.83	12.00	12.21	12.00	0.62	-----	5.84	5.00	5.84	-----	25.00	7053
15.40	12.50	14.90	12.00	0.50	0.50	*4.18	5.00	4.18	-----		8246
13.05	12.50	12.41	12.00	0.64	0.50	5.55	5.00	5.55	-----		9466
12.90	12.50	12.06	12.00	0.84	0.50	*4.75	5.00	4.75	-----	29.00	9062
13.44	12.50	12.56	12.00	0.88	0.50	*4.66	5.00	4.66	-----	27.00	7642
12.96	12.50	12.52	12.00	0.44	0.50	5.00	5.00	5.00	-----	26.75	9821
12.45	12.50	12.13	12.00	0.32	0.50	4.88	5.00	4.88	-----	30.00	7781
13.05	12.50	12.79	12.00	0.26	0.50	5.23	5.00	5.23	-----		8556
13.94	12.50	13.52	12.00	0.42	0.50	4.89	5.00	4.89	-----		10012
12.69	12.50	12.33	12.00	0.36	0.50	5.10	5.00	5.10	-----	28.25	9903
13.96	13.00	13.42	12.00	0.54	1.00	5.33	5.00	5.33	-----	22.50	7617
13.60	13.00	13.48	12.00	0.12	1.00	5.05	5.00	5.05	-----	22.50	9676
13.38	12.00	13.30	12.00	0.08	-----	5.08	5.00	5.08	-----	25.00	8597
13.20	12.00	13.02	12.00	0.18	-----	5.54	5.00	5.54	-----		9389
10.00	9.50	9.56	9.00	0.44	0.50	5.84	5.00	5.84	-----	24.00	9374
12.49	12.50	12.03	12.00	0.46	0.50	5.94	5.00	5.94	-----	24.00	7951
14.47	12.50	12.91	12.00	1.56	0.50	4.91	5.00	4.91	-----	23.00	9603
12.53	13.00	12.31	12.00	0.22	1.00	5.31	5.00	5.31	-----	24.95	7815
12.77	13.00	12.33	12.00	0.44	1.00	5.16	5.00	5.16	-----	28.00	9849
13.09	13.00	12.51	12.00	0.58	1.00	4.93	5.00	4.93	-----	24.50	10039
12.58	13.00	12.48	12.00	0.10	1.00	5.78	5.00	5.78	-----		8314
12.81	13.00	12.67	12.00	0.14	1.00	5.80	5.00	5.80	-----	24.00	10016
12.60	13.00	12.14	12.00	0.46	1.00	5.02	5.00	5.02	-----	26.00	9797
10.93	11.00	10.79	10.00	0.14	1.00	5.61	5.00	5.61	-----	26.00	8364
10.89	11.00	10.71	10.00	0.18	1.00	5.50	5.00	5.50	-----	26.00	10134
11.56	11.00	11.36	10.00	0.20	1.00	5.01	5.00	5.01	-----	25.50	8437

*Deficient.

TABLE VI—ROCK AND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
9786	Hubbard's 12-5 Alkaline -----	Ross Goodman, Huntingdon -----
8179	Hubbard's 12-5 Alkaline -----	H. E. Huston, Saltillo -----
7846	Hubbard's 12-5 Alkaline -----	George W. Shirk, Lock Haven -----
8914	Hubbard's 12-5 Alkaline -----	W. J. Turner, Clarksville -----
	INDEPENDENT MANUFACTURING CO., PHILADELPHIA, PA.	
8408	Independent's 0-12-5 Fertilizer -----	Independent Manufacturing Co., Philadelphia -
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.	
8117	International New Process 0-10-4 -----	J. B. Blakley & Co., Harrisville -----
	THE JARECKI CHEMICAL CO., SANDUSKY, OHIO.	
8130	Jarecki's 0-10-10 Fertilizer -----	J. L. Aleorn, Titusville -----
	KOLLER FERTILIZER COMPANY, YORK, PA.	
8879	Koller's Electric Phosphate -----	Koller Fertilizer Company, York -----
	LANCASTER BONE FERTILIZER CO., INC., QUARRYVILLE, PA.	
7696	Conestoga Brand 12-5 -----	O. D. Kennedy, Elmsport -----
7607	Conestoga Brand 12-5 -----	Lancaster Bone Fertilizer Co., Inc., Quarryville
	LANCASTER CHEMICAL CO., LANCASTER, PA.	
8846	No. 20 Potash Special -----	Lancaster Chemical Co., Lancaster -----
10159	No. 20 Potash Special -----	Lancaster Chemical Co., Lancaster -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
9625	Levan's Naught Ten Five, -----	James W. Rentschler, Hamburg -----
9343	Levan's Naught Ten Five, -----	C. W. Thomas, Danville -----
8862	Levan's Naught Twelve Eight -----	Herr Brothers, Quarryville -----
9344	Levan's Naught Twelve Eight -----	C. W. Thomas, Danville -----
	FRED E. LORD, ESPY, PA.	
7634	Columbia County Fall Special -----	Fred E. Lord, Espy -----
9559	Columbia County Fall Special -----	Fred E. Lord, Espy -----
9984	Columbia County Fall Special -----	Fred E. Lord, Espy -----
	FREDERICK MEHRING FERTILIZER WORKS, INC., KEYMAR, MD.	
8899	Potash Mixture -----	E. Charles Mathias & Son, Littlestown -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
7678	Miller's 12-5 -----	R. S. Blain, Turbotville -----
8256	Miller's 12-5 -----	M. C. Deitz's Sons, Mechanicsburg -----
9461	Miller's 12-5 -----	M. C. Deitz's Sons, Mechanicsburg -----
9780	Miller's 12-5 -----	Ross Goodman, Huntingdon -----
8391	Miller's 12-5 -----	M. T. Harkins, Hickory Hill -----
9814	Miller's 12-5 -----	C. D. Lindner, Pottsgrove -----
9712	Miller's 12-5 -----	R. D. Marshall, Sr., Byer -----
9667	Miller's 12-5 -----	W. W. Shoemaker, Walnutport -----
7593	Miller's 12-5 -----	Walker Brothers, Chambersburg -----
8608	Miller's 12-5 -----	R. K. Yoder, Belleville -----

POTASH FERTILIZERS—Continued

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.61	12.50	12.81	12.00	0.80	0.50	5.08	5.00	5.08	-----	-----	9786
12.56	12.50	12.26	12.00	0.30	0.50	*4.63	5.00	4.63	-----	-----	8179
12.77	12.50	12.41	12.00	0.36	0.50	*4.77	5.00	4.77	-----	27.00	7846
13.23	12.50	12.65	12.00	0.58	0.50	5.35	5.00	5.35	-----	26.65	8914
14.21	12.00	13.25	12.00	0.96	-----	5.41	5.00	5.41	-----	22.25	8408
11.61	10.50	11.13	10.00	0.48	0.50	4.30	4.00	4.30	-----	27.50	8117
12.73	10.50	12.13	10.00	0.60	0.50	*9.17	10.00	9.17	-----	34.00	8130
14.15	12.50	12.95	12.00	1.20	0.50	5.81	5.00	5.81	-----	23.50	8879
12.27	13.00	11.99	12.00	0.28	1.00	5.79	5.00	5.79	-----	24.70	7696
13.98	13.00	13.62	12.00	0.36	1.00	*4.17	5.00	4.17	-----	-----	7607
13.87	13.00	13.55	12.00	0.32	1.00	5.76	5.00	5.76	-----	-----	8846
13.28	-----	12.90	12.00	0.38	-----	6.40	5.00	6.40	-----	-----	10159
9.98	11.00	*9.56	10.00	0.42	1.00	5.68	5.00	5.68	-----	25.00	9625
11.17	11.00	11.07	10.00	0.10	1.00	5.10	5.00	5.10	-----	23.20	9343
13.38	13.00	13.02	12.00	0.36	1.00	8.43	8.00	8.43	-----	27.00	8862
13.01	13.00	12.23	12.00	0.78	1.00	8.02	8.00	8.02	-----	27.95	9344
13.19	12.50	12.89	12.00	0.30	0.50	5.39	5.00	5.39	-----	22.00	7634
13.51	12.50	12.79	12.00	0.72	0.50	5.61	5.00	5.61	-----	21.00	9559
12.97	12.50	12.61	12.00	0.36	0.50	5.75	5.00	5.75	-----	-----	9984
13.93	13.00	13.59	12.00	0.34	1.00	5.85	5.00	5.85	-----	23.00	8899
12.70	12.50	12.16	12.00	0.54	0.50	5.09	5.00	5.09	-----	25.50	7678
12.64	12.50	12.16	12.00	0.48	0.50	5.12	5.00	5.12	-----	25.70	8256
13.56	12.50	13.00	12.00	0.56	0.50	4.93	5.00	4.93	-----	25.70	9461
13.50	12.50	12.70	12.00	0.80	0.50	5.03	5.00	5.03	-----	-----	9780
13.57	12.50	12.93	12.00	0.64	0.50	5.19	5.00	5.19	-----	-----	8391
12.67	12.50	12.29	12.00	0.38	0.50	*4.71	5.00	4.71	-----	24.85	9814
13.53	12.50	12.95	12.00	0.58	0.50	5.39	5.00	5.39	-----	-----	9712
13.60	12.50	13.12	12.00	0.48	0.50	*4.49	5.00	4.49	-----	-----	9667
13.29	12.50	12.43	12.00	0.86	0.50	*4.47	5.00	4.47	-----	-----	7593
13.51	12.50	13.01	12.00	0.50	0.50	*4.74	5.00	4.74	-----	25.70	8608

*Deficient.

TABLE VI—ROCK AND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
MORTON FERTILIZER CO., BALTIMORE, MD.		
7958	Morton's Twelve and Five -----	H. B. Low & Son, Orangeville -----
9830	Morton's Twelve and Five -----	H. B. Low & Son, Orangeville -----
G. OBER & SONS CO., BALTIMORE, MD.		
8531	Oher's 12-5 Potash Compound -----	Chambersburg Milling Co., Chambersburg ----
8618	Oher's 12-5 Potash Compound -----	Petersburg Milling Co., Bessemer -----
9758	Oher's 12-5 Potash Compound -----	Somerset Milling Co., Somerset -----
9998	Oher's 12-5 Potash Compound -----	G. W. Thompson & Son, Gettysburg -----
OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.		
9994	O. & S. Potash Special -----	Oyler & Spangler Fertilizer Works, Inc., Gettysburg -----
9058	O. & S. Potash Special -----	J. F. Wineland, Curryville -----
9948	O. & S. Potash Special -----	J. F. Wineland, Curryville -----
PATUXENT GUANO CO., BALTIMORE, MD.		
8150	Patuxent Potash Mixture -----	Dillshurg Grain & Milling Co., Dillshurg ----
9474	Patuxent Potash Mixture -----	Dillshurg Grain & Milling Co., Dillshurg ----
9353	Patuxent Potash Mixture -----	E. F. England & Son, Bedford -----
7938	Patuxent Potash Mixture -----	J. P. Walters, Vickshurg -----
PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
9515	Piedmont Superphosphate and Potash 12-5 -----	Grover C. Keith, Broad Top -----
9823	Piedmont Superphosphate and Potash 12-5 -----	H. B. Low & Son, Orangeville -----
10013	Piedmont Superphosphate and Potash 12-5 -----	Omwake Brothers, Greencastle -----
RASIN MONUMENTAL COMPANY, SUBSIDIARY OF THE VIRGINIA- CAROLINA CHEMICAL CORPORA- TION, NEW YORK, N. Y.		
8304	Rasin's High Grade Potash Mixture --	W. W. Book, Port Royal -----
7956	Rasin's High Grade Potash Mixture --	H. B. Low & Son, Orangeville -----
9291	Rasin's High Grade Potash Mixture --	H. A. Snyder, Strawberry Ridge -----
READING BONE FERTILIZER CO., READING, PA.		
7754	High Grade Potash Mixture -----	Clayhaugh Mill, Everett -----
8667	High Grade Potash Mixture -----	John L. Wise, Harmony -----
ROBERT A. REICHARD, INC., ALLENTOWN, PA.		
9878	Reichard's Famous 12-5 -----	E. A. Beck, Lehighton -----
9265	Reichard's Famous 12-5 -----	Robert A. Reichard, Inc., Allentown -----
9617	Reichard's Famous 12-5 -----	Robert A. Reichard, Inc., Allentown -----
F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.		
8956	Royster's 10-4 Phosphate and Potash	Billing & Kelder, New Albany -----
8355	Royster's 10-10 Phosphate and Potash	L. W. Hill, Williamsport -----
8083	Royster's 12-5 Phosphate and Potash	J. B. Anderson's Son, Shickshinny -----
8354	Royster's 12-5 Phosphate and Potash	L. W. Hill, Williamsport -----
9522	Royster's 12-5 Phosphate and Potash	Chas. Huston & Brother, Three Springs -----
8722	Royster's 12-5 Phosphate and Potash	Roaring Springs Feed & Coal Co., Rearing Springs -----
8208	Royster's 12-5 Phosphate and Potash	Robert S. Smith, Unityville -----

POTASH FERTILIZERS—Continued

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
12.43	13.00	12.12	12.00	0.36	1.00	5.11	5.00	5.11	-----	33.75	7958
13.05	13.00	12.79	12.00	0.26	1.00	*4.63	5.00	4.63	-----	23.00	9830
13.24	13.00	12.98	12.00	0.26	1.00	5.55	5.00	5.55	-----	24.60	8531
13.24	13.00	13.00	12.00	0.24	1.00	5.42	5.00	5.42	-----	27.00	8618
13.56	13.00	12.42	12.00	1.14	1.00	5.37	5.00	5.37	-----	25.00	9758
14.18	13.00	12.92	12.00	1.26	1.00	5.76	5.00	5.76	-----		9998
13.70	12.50	13.20	12.00	0.50	0.50	*4.50	5.00	4.50	-----	19.70	9994
13.66	12.50	12.22	12.00	1.44	0.50	5.32	5.00	5.32	-----	27.60	9058
12.93	12.50	12.63	12.00	0.30	0.50	4.97	5.00	4.97	-----	27.60	9948
13.83	13.00	13.23	12.00	0.60	1.00	4.89	5.00	4.89	-----	18.25	8150
12.64	13.00	11.90	12.00	0.74	1.00	5.45	5.00	5.45	-----	26.20	9474
13.05	13.00	12.43	12.00	0.62	1.00	5.02	5.00	5.02	-----	26.70	9353
12.95	13.00	12.83	12.00	0.12	1.00	4.93	5.00	4.93	-----	27.00	7938
12.78	12.50	12.34	12.00	0.44	0.50	5.04	5.00	5.04	-----		9515
12.39	12.50	12.01	12.00	0.38	0.50	5.19	5.00	5.19	-----	24.00	9823
12.55	12.50	12.27	12.00	0.28	0.50	5.23	5.00	5.23	-----		10013
13.66	13.00	12.94	12.00	0.72	1.00	6.24	5.00	6.24	-----		8304
13.94	13.00	13.42	12.00	0.52	1.00	5.64	5.00	5.64	-----	25.00	7956
14.57	13.00	13.89	12.00	0.68	1.00	5.33	5.00	5.33	-----	26.00	9291
13.66	13.00	13.16	12.00	0.50	1.00	*6.20	8.00	6.20	-----	32.00	7754
14.24	13.00	13.54	12.00	0.70	1.00	*6.06	8.00	6.06	-----	29.00	8667
12.70	13.00	12.12	12.00	0.58	1.00	5.19	5.00	5.19	-----		9878
13.27	13.00	12.79	12.00	0.43	1.00	5.15	5.00	5.15	-----		9265
13.05	13.00	12.95	12.00	0.10	1.00	5.05	5.00	5.05	-----		9617
11.58	10.50	11.02	10.00	0.56	0.50	4.08	4.00	4.08	-----	24.00	8956
11.44	10.50	11.32	10.00	0.12	0.50	10.19	10.00	10.19	-----	29.45	8355
13.13	12.50	12.37	12.00	0.76	0.50	4.94	5.00	4.94	-----	26.65	8083
13.62	12.50	13.36	12.00	0.26	0.50	5.36	5.00	5.36	-----	26.15	8354
12.97	12.50	12.53	12.00	0.44	0.50	5.41	5.00	5.41	-----	28.00	9522
14.11	12.50	13.55	12.00	0.56	0.50	5.28	5.00	5.28	-----	28.00	8722
13.46	12.50	12.83	12.00	0.58	0.50	5.38	5.00	5.38	-----	25.45	8203

*Deficient.

TABLE VI—ROCK AND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
7500 10032	SHIPPENSBURG FERTILIZER COMPANY, SHIPPENSBURG, PA. Old Reliable Valley Special ----- Old Reliable Valley Special -----	Shippensburg Fertilizer Company, Shippensburg Shippensburg Fertilizer Company, Shippensburg
9935 9750	SOMERSET COUNTY FERTILIZER WORKS, SOMERSET, PA. Beaver Brand Fertilizer 0-12-5 ----- Customer's Mixture -----	Somerset County Fertilizer Works, Somerset -- Somerset County Fertilizer Works, Somerset --
9207 7865	STANDARD CHEMICAL WORKS, INC., READING, PA. Standard Twelve and Five ----- Standard Twelve and Five -----	Somerset Milling Co., Somerset ----- Wm. Westrick, Patton -----
9837	STANDARD WHOLESALE PHOSPHATE & ACID WORKS, INC., BALTIMORE, MD. Standard United States High Grade Phosphate and Potash -----	Neil S. Harrison, Forks -----
8289 8416 9455	SWACK FERTILIZER WORKS, DUBOIS, PA. Swack's Phosphate and Potash 0-12-5 -- Swack's Phosphate and Potash 0-12-5 -- Swack's Ten-Ten -----	W. H. Denshan, Morrisdale ----- Kline Grain Co., Sheloeta ----- Petersburg Milling Co., Bessemer -----
8949 9854 9630 7943 9834 7863 9848 8164	SWIFT & COMPANY, BALTIMORE, MD. Swift's Red Steer 0-10-10 ----- Swift's Red Steer 0-10-10 ----- Swift's Red Steer 0-12-5 ----- Swift's Red Steer 0-12-5 ----- Swift's Red Steer 0-12-5 ----- Swift's Red Steer 0-12-5 ----- Swift's Red Steer 0-12-5 ----- Swift's Red Steer 0-12-5 -----	Obert Brothers, Dushore ----- H. R. Shoek, Montoursville ----- Alvin Green, Lehighton ----- Neil S. Harrison, Forks ----- S. R. Kline, Benton ----- A. C. Myers, Lock Haven ----- A. C. Myers, Lock Haven ----- W. H. Nesbit, McConnellsburg -----
8210 8-92 9349	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA. Dafrymen's Special 0-10-10 ----- Potash Mixture 0-12-5 ----- Potash Mixture 0-12-5 -----	C. J. Davis, Rohrsburg ----- J. H. Duttera, New Oxford ----- C. W. Thomas, Danville -----
9102 9578 9655 7827 9413 8172	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y. American Special Potash Mixture ----- V-C High Grade Potash Mixture ----- V-C High Grade Potash Mixture ----- V-C High Grade Potash Mixture ----- V-C High Grade Potash Mixture ----- V-C High Grade Potash Mixture -----	A. P. Marshall, Smieksburg ----- W. W. Kalb, Sunbury ----- Lehighton Hardware Co., Lehighton ----- H. H. McKibben, Lock Haven ----- H. H. McKibben, Lock Haven ----- Clay Parks, Three Springs -----
9997 9887 8854 9886	WASHINGTON, ALEXANDRIA & COOKE CO., CHARLES TOWN, W. VA. Waco Eight and Six ----- Waco Standard Potash ----- Waco Twelve and Five ----- Waco Twelve and Five -----	E. S. Kelley, Gettysburg ----- B. F. Rhoads, Quarryville ----- B. F. Rhoads, Quarryville ----- B. F. Rhoads, Quarryville -----

POTASH FERTILIZERS—Continued.

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.34	12.50	12.26	12.00	1.08	0.50	*4.61	5.00	4.61	-----	25.50	7594
15.15	12.50	14.13	12.00	1.02	0.50	*3.90	5.00	3.90	-----	23.00	10032
12.63	12.50	12.09	12.00	0.54	0.50	*4.41	5.00	4.41	-----	25.00	9935
11.66	10.00	11.18	10.00	0.48	-----	10.97	10.00	10.97	-----	29.00	9750
13.28	13.00	12.62	12.00	0.66	1.00	5.70	5.00	5.70	-----	25.00	9207
12.48	13.00	12.24	12.00	0.24	1.00	*4.36	5.00	4.36	-----	25.15	7865
12.87	12.50	12.55	12.00	0.32	0.50	5.70	5.00	5.70	-----	23.90	9837
12.78	13.00	12.44	12.00	0.34	1.00	5.43	5.00	5.43	-----	32.00	8230
12.83	13.00	12.51	12.00	0.32	1.00	5.62	5.00	5.62	-----	29.00	8416
11.51	11.00	11.29	10.00	0.22	1.00	10.49	10.00	10.49	-----	30.50	9455
11.29	10.00	10.71	10.00	0.58	-----	*9.64	10.00	9.64	-----	30.20	8949
10.52	10.00	10.12	10.00	0.40	-----	10.66	10.00	10.66	-----	50.00	9854
13.39	12.00	12.81	12.00	0.58	-----	5.06	5.00	5.06	-----	21.05	9630
12.72	12.00	12.10	12.00	0.62	-----	5.48	5.00	5.48	-----	24.50	7943
12.17	12.00	*11.71	12.00	0.46	-----	4.97	5.00	4.97	-----	26.00	9834
13.28	12.00	12.52	12.00	0.76	-----	5.37	5.00	5.37	-----	25.45	7863
12.90	12.00	12.50	12.00	0.40	-----	4.92	5.00	4.92	-----	26.00	9848
12.87	12.00	12.31	12.00	0.56	-----	5.85	5.00	5.85	-----	-----	8164
11.45	11.00	10.75	10.00	0.70	1.00	10.11	10.00	9.40	0.71	25.00	8210
14.87	13.00	13.11	12.00	1.76	1.00	5.19	5.00	4.40	0.79	22.75	8892
14.45	13.00	13.53	12.00	0.92	1.00	5.22	5.00	2.50	2.72	25.00	9349
10.87	11.00	10.11	10.00	0.76	1.00	4.08	4.00	4.08	-----	21.00	9102
13.20	13.00	12.64	12.00	0.56	1.00	5.07	5.00	5.07	-----	26.35	9578
13.96	13.00	13.14	12.00	0.82	1.00	5.45	5.00	5.45	-----	28.55	9655
13.69	13.00	13.01	12.00	0.68	1.00	5.62	5.00	5.62	-----	27.75	7837
14.66	13.00	13.78	12.00	0.88	1.00	5.19	5.00	5.19	-----	27.00	9413
14.44	13.00	13.54	12.00	0.90	1.00	5.68	5.00	5.08	-----	27.00	8172
8.84	8.00	8.72	8.00	0.12	-----	6.72	6.00	6.72	-----	23.00	9997
10.47	10.00	10.19	10.00	0.28	-----	8.63	8.00	8.63	-----	27.25	9837
13.94	12.00	13.56	12.00	0.38	-----	*4.78	5.00	4.78	-----	25.00	8854
12.56	12.00	12.06	12.00	0.50	-----	5.76	5.00	5.76	-----	25.25	9886

*Deficient.

TABLE V—SUPER

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	YORK CHEMICAL WORKS, YORK, PA.	
9952	Dempwolf's Twelve and Five -----	H. N. Dilling, Martinsburg -----
9519	Dempwolf's Twelve and Five -----	H. E. Huston, Saltillo -----
9496	Dempwolf's Twelve and Five -----	James Myers & Son, Hughesville -----
8932	Dempwolf's Twelve and Five -----	Preston, Inc., Canton -----
9802	Dempwolf's Twelve and Five -----	York Chemical Works, York -----
		Average -----

PHOSPHATE FERTILIZERS—Concluded.

PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.89	12.00	12.99	12.00	0.90	-----	5.03	5.00	5.03	-----	26.50	9952
13.64	12.00	13.36	12.00	0.28	-----	5.05	5.00	5.05	-----	-----	9519
14.08	12.00	13.84	12.00	0.24	-----	*4.78	5.00	4.78	-----	25.60	9496
12.87	12.00	12.69	12.00	0.18	-----	5.54	5.00	5.54	-----	25.00	8932
13.62	12.00	13.02	12.00	0.60	-----	5.21	5.00	5.21	-----	23.00	9802
12.99	-----	12.44	-----	0.55	-----	5.77	-----	-----	-----	26.20	-----

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
NITRATE OF SODA		
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
8288	Nitrate of Soda -----	J. Walter Hamer, West Decatur -----
8081	Nitrate of Soda -----	B. T. Sutliff, Hunlocks Creek -----
8199	Nitrate of Soda -----	W. B. Winey & Son, Middleburg -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
7929	Nitrate of Soda -----	D. Luther Bogenrief, Mifflinburg -----
9971	Nitrate of Soda -----	Ed. Hess, Philipsburg -----
7717	Nitrate of Soda -----	Amby Hettler, Lehighton -----
8705	Nitrate of Soda -----	Orr & Grazier, Tyrone -----
8511	Nitrate of Soda -----	M. L. Serfoss, Brodheads ville -----
ASSOCIATED CHEMICAL COMPANY, BALTIMORE, MD.		
8251	Nitrate of Soda -----	Carlisle Fertilizer Works, Carlisle -----
8372	Nitrate of Soda -----	Chaapels Seed Store, Williamsport -----
7592	Nitrate of Soda -----	Shippensburg Fertilizer Company, Shippensburg -----
8197	Nitrate of Soda -----	George H. Steininger, Middleburg -----
BARRETT COMPANY, NEW YORK, N. Y.		
9360	Arcadian Nitrate of Soda -----	Chaapels Seed Store, Williamsport -----
7587	Arcadian Nitrate of Soda -----	Chambersburg Fertilizer Works, Chambersburg -----
8362	Arcadian Nitrate of Soda -----	Freys Hardware Co., Muncy -----
7802	Arcadian Nitrate of Soda -----	Gallagher & Stevick, Wilkes-Barre -----
8498	Arcadian Nitrate of Soda -----	Elias M. Kintzel, Pine Grove -----
9049	Arcadian Nitrate of Soda -----	Red Lion Exchange, Red Lion -----
7657	Arcadian Nitrate of Soda -----	Ed. P. Wargo, Danville -----
9796	Arcadian Nitrate of Soda -----	G. A. Wolf & Sons, Mt. Wolf -----
BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
7950	Nitrate of Soda -----	W. C. Follmer, Benton -----
7909	Nitrate of Soda -----	Thomas K. George, Homer City -----
8013	Nitrate of Soda -----	Mahoning Hardware Co., Punxsutawney -----
CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.		
9258	Nitrate of Soda -----	Searle W. La'c, South Montrose -----
AMOS EBY & CO., LEAMAN PLACE, PA.		
7621	Nitrate of Soda -----	Amos Eby & Co., Leaman Place -----
FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.		
7606	Nitrate of Soda -----	Farmers Fertilizer Works, Elizabethtown -----
9532	Nitrate of Soda -----	W. O. Rearick, Milroy -----
GRIFFITH & BOYD CO., BALTIMORE, MD.		
9101	Nitrate of Soda -----	Dayton Milling Co., Dayton -----
8469	Nitrate of Soda -----	Houck & Cherrington, Catawissa -----
9052	Nitrate of Soda -----	Stultz Brothers, Hollidaysburg -----
THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD.		
8588	Nitrate of Soda -----	J. T. Kephart & Son, Philipsburg -----
7841	Nitrate of Soda -----	George W. Shirk, Lock Haven -----

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
8496	LEBANON FERTILIZER WORKS, LEBANON, PA. Nitrate of Soda ----- FRED E. LORD, ESPY, PA.	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
7630	Nitrate of Soda -----	Fred E. Lord, Espy -----
9564	Nitrate of Soda -----	Fred E. Lord, Espy -----
9785	THE MILLER FERTILIZER CO., BALTIMORE, MD. Nitrate of Soda -----	Ross Goodman, Huntingdon -----
8474	Nitrate of Soda -----	S. F. Rarig, Catawissa -----
7739	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD. Nitrate of Soda -----	J. G. Simpson, Huntingdon -----
8243	READING BONE FERTILIZER CO., READING, PA. Nitrate of Soda -----	Augustave Eoock, Conyngham -----
8750	ROBERT A. REICHARD, INC., ALLEN TOWN, PA. Nitrate of Soda -----	John Gerhard & Son, Orwigsburg -----
7791	Nitrate of Soda -----	Wm. Krause, Dallas -----
8072	F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD. Royster's Nitrate of Soda -----	Ord J. Dohl, Shickshinny -----
8073	Royster's Nitrate of Soda -----	Ord J. Dohl, Shickshinny -----
9028	Royster's Nitrate of Soda -----	Ridgway Grist Mill, Ridgway -----
8562	STANDARD CHEMICAL WORKS, INC., READING, PA. Nitrate of Soda -----	Gay-Murray Co., Inc., Tunkhannock -----
7864	Nitrate of Soda -----	Win. Westrick, Patton -----
7623	STANDARD WHOLESALE PHOS- PHATE & ACID WORKS, INC., BALTIMORE, MD. Standard United States Nitrate of Soda -----	N. E. Dietrick, Reading -----
8565	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD. Nitrate of Soda 18% -----	Wayne B. Callender, Sweet Valley -----
8223	SWIFT & COMPANY, BALTIMORE, MD. Swift's Nitrate of Soda -----	Archie Ridall, Berwick -----
9663	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y. Nitrate of Soda -----	Victor Diebert, Slatington -----
8201	Nitrate of Soda -----	J. W. Herman, Beaver Springs -----
8061	Nitrate of Soda -----	Lehighon Hardware Co., Lehighon -----
7856	Nitrate of Soda -----	H. H. McKibben, Lock Haven -----
8088	YORK CHEMICAL, WORKS, YORK, PA. Nitrate of Soda -----	B. W. Bedell, Mill City -----
9125	Nitrate of Soda -----	Chas. Lumberg, Mt. Jewett -----
8935	Nitrate of Soda -----	Preston, Inc., Canton -----
		Average -----

FERTILIZERS—Continued

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
15.40	15.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	54.83	8496
15.56	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	7630
15.68	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	9564
15.92	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.00	9785
15.60	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.00	8474
15.40	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	72.00	7739
15.00	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8243
15.52	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	58.00	8750
15.52	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	58.00	7791
15.50	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	61.90	8072
15.43	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.90	8073
15.36	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	90.00	9028
15.62	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	64.00	8562
15.60	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	61.90	7864
*14.40	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	56.30	7623
*14.58	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	58.00	8565
15.06	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	8223
15.70	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	9663
15.34	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.00	8201
15.36	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	62.00	8061
15.44	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	62.00	7856
16.25	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.50	8088
15.74	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	9125
15.58	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	8935
15.66	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.79	-----

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
SULPHATE OF AMMONIA		
THE AMERICAN AGRICULTURAL CHEMICAL, CO., NEW YORK, N. Y.		
7880	Sulphate of Ammonia -----	M. G. Adams & L. A. Cretin, Patton -----
9789	Sulphate of Ammonia -----	J. L. Fisher, Goldsboro -----
8423	Sulphate of Ammonia -----	Johnson-Beyer Co., Rural Valley -----
ASSOCIATED CHEMICAL COMPANY, BALTIMORE, MD.		
9354	Sulphate of Ammonia -----	H. M. Mohler, Carrolltown -----
THE BARRET COMPANY, NEW YORK, N. Y.		
8374	Arcadian Sulphate of Ammonia -----	Chaapels Seed Store, Williamsport -----
8493	Arcadian Sulphate of Ammonia -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
8065	Arcadian Sulphate of Ammonia -----	York Chemical Works, York -----
BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
8572	Sulphate of Ammonia -----	Cokley Brothers, Scranton -----
9601	Sulphate of Ammonia -----	W. C. Follmer, Benton -----
FRED E. LORD, ESPY, PA.		
7629	Sulphate of Ammonia -----	Fred E. Lord, Espy -----
9565	Sulphate of Ammonia -----	Fred E. Lord, Espy -----
ROBERT A REICHARD, INC., ALLENTOWN, PA.		
8751	Sulphate of Ammonia -----	John Gerhard & Son, Orwigsburg -----
F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.		
8771	Royster's Sulphate of Ammonia -----	D. E. Goodenough & Sons, Coudersport -----
9089	Royster's Sulphate of Ammonia -----	Parnassus Hardware Co., Parnassus -----
SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.		
8234	Summer's Sulphate of Ammonia 25% --	C. F. Rarieh, Drums -----
SWACKS FERTILIZER WORKS DUBOIS, PA.		
8021	Sulphate of Ammonia -----	Mahoning Valley Milling Co., Punxsutawney -----
8699	Sulphate of Ammonia -----	L. A. Yeckley, Patton -----
SWIFT & COMPANY, BALTIMORE, MD.		
8984	Sulphate of Ammonia -----	C. L. Allen, Powell -----
8218	Sulphate of Ammonia -----	Archie Ridall, Berwick -----
		Average -----
DRIED BLOOD SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.		
9981	Dried Blood -----	Luzerne County Cooperative Association, Wilkes-Barre -----
TANKAGE		
BAUGH & SONS COMPANY, BALTIMORE, MD.		
8571	Baugh's High Grade Ground Tankage -----	Cokeley Brothers, Scranton -----
7948	Baugh's High Grade Ground Tankage -----	W. C. Follmer, Benton -----

FERTILIZERS—Continued

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
21.04	20.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7880
21.04	20.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	61.95	9789
20.08	20.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	80.00	8423
21.00	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	70.00	9054
21.04	20.75	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	80.00	8374
20.96	20.75	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.57	8493
20.98	20.75	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	58.00	8065
21.00	20.57	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	120.00	8572
20.98	20.57	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	9601
21.00	20.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	7629
20.94	20.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	9565
20.94	20.50	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8751
20.92	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8771
20.96	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	50.00	9089
20.66	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	30.00	8234
20.62	20.50	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	75.00	8021
20.98	20.50	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.15	8699
20.62	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	8984
20.84	20.56	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	8218
20.87	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.98	-----
*11.89	13.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	102.50	9981
5.92	5.76	11.84	8.00	-----	-----	-----	-----	-----	-----	-----	-----	110.00	8571
5.88	5.76	10.26	5.00	-----	-----	-----	-----	-----	-----	-----	-----	50.00	7948

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
9212 9084	W. S. CAPLES & SON, JOHNSTOWN, PA. Cambria's Animal Tankage ----- Cambria's Animal Tankage -----	W. S. Caples & Son, Johnstown ----- I. L. Duncan, New Florence -----
8490	LEBANON FERTILIZER WORKS, LEBANON, PA. Levan's Animal Tankage 7-9.15-0 -----	Schuylkill Cooperative Potato Growers Association, New Ringgold -----
7632 9560	FRED E. LORD, ESPY, PA. Animal Tankage ----- Fertilizer Tankage -----	Fred E. Lord, Espy ----- Fred E. Lord, Espy -----
9982	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD. 9% Tankage -----	Luzerne County Cooperative Association, Inc., Wilkes-Barre -----
9070	UNITED HOME DRESSED MEAT CO., ALTOONA, PA. Dry Tankage -----	United Home Dressed Meat Co., Altoona -----
8479	VIRGINIA-CAROLINA CHEMICAL CORPORATION, BALTIMORE, MD. Ground Tankage -----	Ben H. Levan, Catawissa ----- Average -----
9046	KAINIT SWIFT & COMPANY, BALTIMORE, MD. Swift's Kainit -----	Red Lion Exchange, Red Lion -----
7821	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA. Kainit -----	C. W. Thomas, Danville ----- Average -----
9566	MANURE SALT FRED E. LORD, ESPY, PA. Manure Salt -----	Fred E. Lord, Espy -----
7879 9767 8198	MURIATE OF POTASH THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. Muriate of Potash ----- Muriate of Potash ----- Muriate of Potash -----	M. G. Adams & L. A. Cretin, Patton ----- Bradford & Company, Center Hall ----- W. B. Winey & Son, Middleburg -----
8272 8512	ARMOUR FERTILIZER WORKS, BALTIMORE, MD. Big Crop Muriate of Potash ----- Big Crop Muriate of Potash -----	Hibner-Hoover Hardware Company, DuBois -- M. L. Serfoss, Broadheadsville -----
8252 9055	ASSOCIATED CHEMICAL COMPANY, BALTIMORE, MD. Muriate of Potash ----- Muriate of Potash -----	Carlisle Fertilizer Works, Carlisle ----- H. M. Mohler, Carrolltown -----
8573 8529	BAUGH & SONS COMPANY, PHILADELPHIA, PA. Muriate of Potash ----- Muriate of Potash -----	Cokely Brothers, Scranton ----- D. W. Faust & Sons, Chambersburg -----

FERTILIZERS—Continued

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
5.96	4.25	13.43	13.00	-----	-----	-----	-----	-----	-----	-----	-----	40.00	9212
6.58	4.25	13.56	13.00	-----	-----	-----	-----	-----	-----	-----	-----	42.00	9084
*5.19	5.76	14.02	9.15	-----	-----	-----	-----	-----	-----	-----	-----	45.68	8490
6.03	6.16	11.19	9.00	-----	-----	-----	-----	-----	-----	-----	-----	47.00	7632
6.28	6.16	10.49	9.00	-----	-----	-----	-----	-----	-----	-----	-----	45.00	9560
7.40	7.40	4.58	4.58	-----	-----	-----	-----	-----	-----	-----	-----	57.80	9982
6.48	-----	16.83	9.00	-----	-----	-----	-----	-----	-----	-----	-----	35.00	9070
8.79	7.41	*4.48	9.00	-----	-----	-----	-----	-----	-----	-----	-----	50.00	8479
6.45	-----	11.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	52.25	-----
-----	-----	-----	-----	-----	-----	-----	-----	14.69	12.40	14.69	-----	-----	9046
-----	-----	-----	-----	-----	-----	-----	-----	15.16	12.40	15.16	-----	22.25	7821
-----	-----	-----	-----	-----	-----	-----	-----	14.93	-----	-----	-----	22.25	-----
-----	-----	-----	-----	-----	-----	-----	-----	23.82	20.00	23.82	-----	24.00	9566
-----	-----	-----	-----	-----	-----	-----	-----	52.08	48.00	52.08	-----	-----	7879
-----	-----	-----	-----	-----	-----	-----	-----	51.28	48.00	51.28	-----	-----	9767
-----	-----	-----	-----	-----	-----	-----	-----	48.16	48.00	48.16	-----	55.00	8198
-----	-----	-----	-----	-----	-----	-----	-----	50.80	48.00	50.80	-----	80.00	8272
-----	-----	-----	-----	-----	-----	-----	-----	51.44	48.00	51.44	-----	-----	8512
-----	-----	-----	-----	-----	-----	-----	-----	50.52	48.00	50.52	-----	-----	8252
-----	-----	-----	-----	-----	-----	-----	-----	47.92	48.00	47.92	-----	52.00	9055
-----	-----	-----	-----	-----	-----	-----	-----	53.60	48.00	53.60	-----	85.00	8573
-----	-----	-----	-----	-----	-----	-----	-----	48.84	48.00	48.84	-----	-----	8529

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
9100	GRIFFITH & BOYD CO., BALTIMORE, MD. Muriate of Potash 48% -----	Dayton Milling Co., Dayton -----
8582	THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD. Muriate of Potash -----	J. T. Kephart & Son, Philipsburg -----
7845	Muriate of Potash -----	George W. Shirk, Lock Haven -----
9012	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA. Granger's Muriate of Potash -----	D. L. White, Brookville -----
8495	LEBANON FERTILIZER WORKS, LEBANON, PA. Muriate of Potash -----	Sehuykill Cooperative Potato Growers As- sociation, New Ringgold -----
7631	FRED E. LORD, ESPY, PA. -----	Fred E. Lord, Espy -----
9563	Muriate of Potash -----	Fred E. Lord, Espy -----
10009	THE MILLER FERTILIZER CO., BALTIMORE, MD. Muriate of Potash -----	Walker Brothers, Chambersburg -----
7963	MORTON FERTILIZER CO., BALTIMORE, MD. Muriate of Potash -----	H. B. Low & Son, Orangeville -----
9831	Muriate of Potash -----	H. B. Low & Son, Orangeville -----
7753	READING BONE FERTILIZER CO., READING, PA. Muriate of Potash -----	Claybaugh Mill, Everett -----
8753	ROBERT A. REICHARD, INC., ALLENTOWN, PA. Muriate of Potash -----	John Gerhard & Son, Orwigsburg -----
8070	F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD. Royster's Muriate of Potash -----	Ord J. Dohl, Shickshinny -----
8308	Royster's Muriate of Potash -----	N. E. Shellenberger, Oakland Mills -----
7828	STANDARD CHEMICAL WORKS, INC., READING, PA. Muriate of Potash -----	J. C. Benfield, Milton -----
7624	STANDARD WHOLESALE PHOS- PHATE & ACID WORKS, INC., BALTIMORE, MD. Standard United States Muriate of Potash -----	N. E. Dietrick, Reading -----
7834	Standard United States Muriate of Potash -----	N. E. Dietrick, Reading -----
8567	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD. Muriate of Potash 48% -----	Wayne B. Callender, Sweet Valley -----
8698	SWACK FERTILIZER WORKS, DUBOIS, PA. Muriate of Potash -----	L. A. Yeekley, Patton -----

FERTILIZERS—Continued

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								50.20	48.00	50.20		52.00	9100
								52.68	48.00	52.68			8582
								*47.46	48.00	47.46		47.10	7845
								*42.97	48.00	42.97		57.00	9012
								49.96	50.00	49.96		45.34	8495
								51.72	50.00	51.72		46.00	7631
								*48.81	50.00	48.81		45.00	9563
								*45.63	43.00	45.63			10009
								50.88	50.00	50.88		48.00	7963
								49.88	50.00	49.88		46.00	9831
								51.68	50.00	51.68			7753
								50.56		50.56			8753
								53.40	48.00	53.40		51.00	8070
								55.20	48.00	55.20		50.00	8308
								50.16	50.00	50.16		50.00	7828
								48.35	48.00	48.35		42.20	7624
								*49.59	50.00	49.59		42.20	7834
								*46.30	48.00	46.30		47.30	8567
								50.96	50.00	50.96		49.00	8698

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	SWIFT & COMPANY BALTIMORE, MD.	
8983	Muriate of Potash -----	C. L. Allen, Powell -----
7794	Muriate of Potash -----	Wm. Krause, Dallas -----
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, BALTIMORE, MD.	
9133	Muriate of Potash -----	Anderson Hardware Co., New Bethlehem ----
8859	Muriate of Potash -----	B. F. Rhoads, Quarryville -----
8193	Muriate of Potash -----	Selinsgrove Coal & Farmers Supply Co., Selinsgrove -----
9611	Muriate of Potash -----	Selinsgrove Coal & Farmers Supply Co., Selinsgrove -----
	YORK CHEMICAL WORKS, YORK, PA.	
8087	Muriate of Potash -----	B. W. Bedell, Mill City -----
9853	Muriate of Potash -----	John C. Eder, Montoursville -----
8934	Muriate of Potash -----	Preston, Inc., Canton -----
9048	Muriate of Potash -----	Red Lion Exchange, Red Lion -----
	SULPHATE OF POTASH	Average -----
	THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD.	
7842	Sulphate of Potash -----	George W. Shirk, Lock Haven -----
	MISCELLANEOUS	
	THE STADLER PRODUCTS CO., CLEVELAND, OHIO.	
9216	Stadler's Superior Lawn and Garden Fertilizers -----	W. W. Davidson & Sons, Ellwood City ----
	SWIFT & COMPANY, BALTIMORE, MD.	
8220	Swift's Red Steer 10-5-0 -----	Archie Rldall, Berwick -----

FERTILIZERS—Concluded.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								52.24	48.00	52.24	-----	50.00	8983
								52.16	48.00	52.16	-----	50.00	7794
								52.80	48.00	52.80	-----	55.00	9133
								59.29	48.00	59.29	-----		8859
								52.00	48.00	52.00	-----	55.00	8193
								49.60	48.00	49.60	-----	45.00	9611
								52.64	50.00	52.64	-----	53.50	8087
								51.20	50.00	51.20	-----	50.00	9853
								52.80	50.00	52.80	-----	57.00	8934
								52.48	50.00	52.48	-----		9048
								50.74				52.06	-----
								50.88	48.00		50.88	62.85	7842
2.43	2.50	17.51	16.00	13.85	-----	3.66	-----					60.00	9216
*7.20	8.22	6.03	5.00	5.95	5.00	0.08	-----					42.50	8220

*Deficient.

